Heuristic Evaluation of [Peekaboo]

Evaluator A
Evaluator B
Evaluator C
Evaluator D
(Your TA will remove your names before the document is given to the project team. Throughout the report, use these letters to identify yourselves.)

1. Problem/Prototype Description

[Insert one sentence description of the project idea and UI you are evaluating.]

Using a home screen widget, Peekaboo can instantly share updates through a picture or an activity to all family/close friends, allowing them to check in without being intrusive.

2. Violations Found

[...create your numbered list of violations here]

1. **H4** Consistency and Standards / **Severity:** 4 / **Found by: B, C**
    Task: Checking in without Photos
    Description: When you enter the app, you land on the feed page which is under the check in tab, but if you move to a different tab and enter the check tab again, you see the check in screen instead of the feed page.
    Rationale: Clicking the same tab should lead to the same page.
    Fix: Create a Feed tab in the navigation bar

2. **H4** Consistency and standards / **Severity:** 3 / **Found by: A, C**

    Task: Moderate

    Description: When you make groups, there is no indication to add a photo. However, when you click on your profile, the groups tab showcases photos.

    Rationale: Having photos in the profile tab and not when you make the groups is confusing or the groups tab is confusing. To add on to the confusion is that the dog photo utilized for groups is also the photo utilized to represent Jeff.

    Simple-fix: Remove all photos for groups.

3. **H3** User Control and Freedom / **Severity:** 3 / **Found by: A, C**
   Task: Checking in without Photos
   Description: You can add your location when checking in, but you can't remove it.
   Rationale: Users who accidentally added their location will have no way to undo their action, without starting the check in process over completely.
   Fix: Add a way to remove the location after it's been added (like clicking on it again).

4. **H4** Consistency and Standards / **Severity:** 1 / **Found by: C**
   Task: Checking in without Photos
   Description: The "X" used to exit out of Jeff's check in page is different from all the other "X" buttons used to exit out of each screen.
   Rationale: Users may be confused about or not notice the "X" button because it is the only one that looks different from the rest.
   Fix: Change the "X" button used to exit out of Jeff's check-in page to the standard X button used throughout the rest of the app.

5. **H8** Aesthetic and Minimalist Design / **Severity:** 1 / **Found by: B, C**
   Task: Checking in without Photos
   Description: The group drop down selection bar is unnecessarily long to make room for other group options that do not exist.
   Rationale: Users may have a harder time seeing the groups that actually exist with all the extra space added for the groups that the user has not created yet.
   Fix: Have the drop down selection bar be as long as the group list the user has created until a maximum size has been reached.

6. **H3** User Control and Freedom / **Severity:** 4 / **Found by: A, B, C**
   Task: Checking in without Photos
   Description: It is impossible to change the feed page to view a different group.
   Rationale: Users will only be able to view a single group's check in feed.
   Fix: Click on the group title on the feed page to change which group is currently being viewed (or add another similar method to change which group's feed is being viewed).

7. **H3** User Control and Freedom / **Severity:** 4 / **Found by: A, B, C**
   Task: Creating Groups
   Description: It is impossible to add new friends to a user's list of existing friends.
   Rationale: Users will not be able to add new people to their groups in the app.
   Fix: At the bottom of the checklist add an "Add new friend" button or something similar to show that there is a way to add new people to your existing contacts in the app.

8. **H1** Visibility of System Status/ **Severity:** 2 / **Found by: A, B, C**
   Task: Checking in without Photos
   Description: There is no indication that you have successfully checked in.

Rationale: Users may be confused as to whether their check in update has successfully been sent to their group.
Fix: Add a "Your check in has been successfully sent to ___ group!" page before heading back to the feed page.

9. **H3** User Control and Freedom / **Severity:** 3 / **Found by: C**
   Task: Creating Groups
   Description: There is no way to change who is in a group after it's been made.
   Rationale: Users who may have made a mistake when creating a group will have no way of correcting their mistake, without having to create an entirely new group.
   Fix: Add a button to edit a group after it's been made.

10. **H6** Recognition Rather Than Recall / **Severity:** 2 / **Found by: C**
    Task: Creating Groups
    Description: There is no way to view who is in a group after it's been made, aside from manually checking the feed tab (which is hard to reach).
    Rationale: Users may be confused about who is in which group, and may need a quick and efficient way to check.
    Fix: Add description in the group tab displaying who is in the group.

11. **H7** Flexibility and Efficiency of Use/ **Severity:** 2 / **Found by: A, C**
    Task: Checking in without Photos
    Description: You can only access the profile through the feed page, which is not very intuitive and does not follow the typical conventions.
    Rationale: Users may be confused about where to view their profile information.
    Fix: Create a new tab in the navigation bar to view a user's profile.

12. **H4** Consistency and Standards / **Severity:** 0 // **Found by: C**
    Task: Creating Groups
    Description: There are less groups displayed in "Groups" than in "Strongest Groups" under the profile tab.
    Rationale: Users may be confused about how many groups they are in.
    Fix: I think this is an inconsistency in the data you used to populate your app, so just be consistent with your data across the app even if it isn't real yet.

13. **H3** User Control and Freedom / **Severity:** 2 **Found by: C**
    Task: Creating Groups
    Description: There is no way to undo the create a new group action once it's been initiated without completely switching tabs.
    Rationale: Users may be confused about how to stop the creating a group action after they've accidentally hit the + button in the group tab.
    Fix: Add the red "X" button used to exit out of other tasks to this task as well.

14. **H11** Accessible Design / **Severity:** 3 **Found by: C**
    Task: Checking in without Photos
    Description: Every medium used to check in and communicate with others in your application is entirely visually based (i.e. emojis, photos, etc..)

Rationale: Users with visual impairments would have a difficult time using your application.
Fix: Add text or audio based options to check in as well instead only allowing for emojis (and photos).

15. **H4** Consistency and Standards/ **Severity:** 2 / **Found by: C**
    Task: Checking in without Photos
    Description: There is an inconsistency with the information displayed in other users' check in posts and what a user can actually post in their own check in. Jeff has text options to type how he's feeling and what he's doing, but in our own check in we only have emoji and location options.
    Rationale: Users will be confused about what they can or can't do in the application.
    Fix: Be consistent in the type of information that can be displayed in a check in. If a user can only check in with an emoji and location, only display that information for the others as well.

16. **H3** User Control and Freedom/ **Severity:** 3 / **Found by: B, C**
    Task: Checking in with Photos (not main 3)
    Description: There is no way to retake a picture without having to click the camera tab and start the entire check in process over again.
     Rationale: Users will be confused about how to retake a picture for their check in if they don't like the one displayed.
    Fix: Add a way to retake the picture like clicking on the image icon again.

17. **H7** Flexibility and Efficiency of Use / **Severity:** 3 / **Found by: A, C**
    Task: Checking in without Photos
    Description: There is no way to send the same update to multiple groups.
    Rationale: Users will have to manually send an individual update to each group they are in even though in many cases the update will be identical.
    Fix: Add a way to select multiple groups in the drop down menu when checking in.

18. **H5** Error prevention/ **Severity: 4 Found by: C**
    Task: Creating Groups
    Description: There is no way to remove yourself from groups you do not want to be in.
    Rationale: Users will have no way to filter which groups they actually want to be in, as soon as they are invited to a group they are stuck in the group forever.
    Fix: Add a way for users to remove themselves from a group, most likely by clicking on the group itself, and clicking a "leave group" button.

19. **H5** Error prevention/ **Severity: 4 Found by: A, C**
    Task: Creating Groups
    Description: There is no way to accept or reject being in a group that has just been created.
    Rationale: Users will have no control over which groups they actually want to join, as soon as they are invited to a group they are stuck in the group forever.

Fix: Add a way for users to accept or reject being in a group in the first place, using a notification center or a pop up screen.

20. **H1** Visibility of System Status/ **Severity:** 2 **Found by: A, C**
Task: Creating Groups
Description: There's no indication that you have successfully created a new group.
Rationale: Users may be confused as to whether their group has successfully been created.
Fix: Add a "Your group has been successfully created!" page before heading back to the groups tab.

21. **H6** Recognition Rather than Recall/ **Severity:** 2 **Found by: A, C**
Task: Checking in without Photos
Description: There's no way to see our last check in in a specific group.
Rationale: Users may be confused as to whether or not they have already checked in with their group yet.
Fix: Add your last check-in to the bottom of your feed for each group.

22. **H7** Flexibility and Efficiency of Use / **Severity:** 4 **Found by: A, B, C**
Task: Checking in without Photos
Description: The home page (feed page) should be accessible from anywhere in your app most of the time (except when in the middle of a different activity), but is only accessible after entering the app for the first time or after checking in.
Rationale: Users will need to repeatedly complete a check in just to view their feed, making it difficult to view their friends' check ins.
Fix: Create a Feed/Home tab in the navigation bar separate from the check in page.

23. **H2** Match Between System and the Real World / **Severity:** 3 **Found by: C**
Task: Checking in with Photos (not main 3)
Description: There is no way to flip the camera or change other very basic camera settings.
Rationale: Users will only be able to use the camera facing outwards, and won't be able to take pictures of themselves.
Fix: Add a flip camera button to your camera (and other options like zoom if needed).

24. **H10** Help and Documentation/ **Severity:** 2 **Found by: A, C**
Task: Creating Groups
Description: There is no indication of what the points, stars, or awards are or if they are different from each other.
Rationale: Users may be confused as to what the points, stars, and awards represent and how to achieve them.
Fix: Add info about what each are for and how to get them when you click on them.

25. **H8** Aesthetic and Minimalist Design/ **Severity:** 1 **Found by: C**
Task: Creating Groups
Description: If points and stars are different from each other, then the stars do not need to be displayed in the groups tab.

Rationale: Users may be confused as to the relationship between points, stars, and groups.
Fix: Remove your number of stars from the groups tab or add additional information explaining what the relationship is.

26. **H11** Accessible Design/ **Severity:** 1 **Found by:** C
    Task: Creating Groups
    Description: In the profile section under the "Groups" section, groups are only marked by their group images without their names.
    Rationale: Users with visual impairments could have a difficult time seeing which groups they are in solely based on the group picture.
    Fix: Add the group name alongside the group picture.

27. **H3** User Control and Freedom / **Severity:** 2 **Found by:** C
    Task: Customizing an Activity
    Description: When you click the "X" during the trivia game, it brings you all the way back to the activities tab instead of the previous screen.
    Rationale: Users who accidentally started a game before they finished adjusting their settings would have to start the process over again completely.
    Fix: Have the "X" take you back to the previous screen, not the beginning of the process.

28. **H7** Flexibility and Efficiency of Use / **Severity:** 4 **Found by: A, B, C**
    Task: Checking in without Photos
    Description: The navigation tab is confusing because three of the separate tabs all lead to the same action (checking in), so there are 3 ways to do the same action instead of one.
    Rationale: Users may be confused as to what each tab does and how to find information on your app.
    Fix: Have all the ways to check in (photo, activity, etc..) under one large tab for checking in, and separate all the other information a user might want (like their profile settings, group info, and feed/home page) into their own separate tabs.

29. **H12** Value Alignment and Inclusion/ **Severity:** 2 **Found by:** C
    Task: Checking in without Photos
    Description: There is no way to change different settings in the app relating to privacy or other security concerns. For instance, although you can choose whether or not to include your location during the check in, there is not a way to turn off your location in the app completely.
    Rationale: Users may be concerned about how the app is tracking them and using their information.
    Fix: Have a settings or preferences page in your profile, where users can adjust their setting preferences.

30. **H11** Accessible Design/ **Severity:** 1/ **Found by: C**
    Task: Checking in without Photos
    Description: The phrase "Tap to customize your check in" is very small considering it's meant to be displayed on a phone.

Rationale: Users with visual impairments could have a difficult time reading the text.
Fix: Make the text slightly larger.

31. **H5** Error Prevention/ **Severity:** 1 / **Found by: C**
    Task: Checking in without Photos
    Description: You can very easily check in without changing any of the default settings, making it very prone to accidents.
    Rationale: Users may accidentally check in or forget to change one of the default settings.
    Fix: Make the users fill out at least one field before allowing them to check in, and make the default check in blank.

32. **H6** Recognition Rather than Recall/ **Severity:** 2 / **Found by: C**
    Task: Checking in without Photos
    Description: There is no way to see our previous history of check ins.
    Rationale: Users may be confused as to how often (or how little) they have checked in with their groups
    Fix: Allow users to be able to view their check in history with a group.

33. **H6** Recognition Rather than Recall/ **Severity:** 2 / **Found by: C**
    Task: Checking in without Photos
    Description: There is no way to see our friends' previous history of check ins.
    Rationale: Users may be confused as to how often (or how little) their friends have checked in with them
    Fix: Allow users to be able to view their friend's check in history in a group.

34. **H10** Help and Documentation/ **Severity:** 2 / **Found by: C**
    Task: Checking in without Photos
    Description: There is no indication of what the "!" means on Waldo's profile
    Rationale: Users may be confused as to what the "!" represents.
    Fix: Add info about what the "!" represents or change it to an icon that is not as ambiguous.

35. **H4** Consistency and Standards/ **Severity:** 2/ **Found by: A, C**
    Task: Checking in without Photos
    Description: You have a profile picture displayed in your profile, but none of your friends have a profile picture associated with them.
    Rationale: Users may be confused about whether their friends can see their profile picture.
    Fix: Either remove the profile picture from the user profile or display the profile pictures of every user in the feed page.

36. **[#10] [Help and Documentation] / Severity: [2] / Found by: A**

    Task: Transition between tasks

Description: The menu bar does not have any caption/or indication on what each icon represents.

Rationale: Users might be confused about what each icon represents, as a basketball or check mark icon does not have a conceptual model that basketball indicates activity and check mark indicates check-in.

Suggested Fix: Add captions to the icons in the menu bar.

37**. [#5] [Error Prevention] / Severity: [2]/ Found by: A**

Task: Simple

Description: On the check-in page, it currently says "Tap to customize your check-in."

Rationale: Upon the check-in page and seeing "Tap to customize your check-in." users will not know that customizing your check-in means taking a photo.

Suggested Fix: Be more specific in wording and say "Customize your check-in by adding a photo." or "Customize your check-in by taking a photo."

38. [#7] [Flexibility and efficiency of use] / Severity: [3]/ Found by: A

Task: Simple

Description: Upon clicking on the check-in page, there is no back-button/way to exit without taking a photo.

Rationale: Users may realize that they do not want to add a photo of themselves or their surroundings, but there is not a way to go back to check-in without clicking the menu bar - this would not save the data they already inputted.

Suggested Fix: Add a back button

39. [#4] [Consistency and Standards] / Severity: [1]/ Found by: A, B

Task: Simple

Description: On the check-in page, the camera icon is the one underlined in blue on the check-in page.

Rationale: Users may be confused because the check-mark is a simple task, so why would the camera be underlined.

Simple-fix: Underline the check mark instead.

40. [#4] [Consistency and Standards] / Severity: [2] / Found by: A

Task: Simple

Description: There are currently two ways to facilitate a photo check-in, clicking the camera and clicking the check-in button

Rationale: This may confuse users, especially if a user clicks the camera button. Would they know what group they are taking a photo for?

Simple-fix: Remove the camera button from the menu bar or add more direction. Such as if you want to check in with trivia you click trivia, if you want to check in via photo, click photo. And if you just want to see how your friends are doing click the check button.

41. [#4] [Consistency and Standards] / Severity: [1]/ Found by: A

Task: Moderate

Description: On the groups page, family has a home emoji next to it, while close friends are blank.

Rationale: It is not standardized to have a different way to have an icon for family but not friends.

Simple-fix: Remove the icon for family or add an icon for friends.

42. [#4] [Consistency and Standards] / Severity: [1] / Found by: A

Task: Moderate

Description: Work Friends is in the same bright blue, big font as Groups. Instead of the Gray font as Family or Close Friends.

Rationale: It is not standardized, as Family, Close Friends, and Work Friends are all in the sub category of the bigger category of Groups; thus, the sub-categories should have the same font and color. For folks using a screen reader, this would be confusing as Work Friends would be classified as [H1] with Groups [H1] and not with Family [H2] or close friends [H2].

Simple-fix: Change the font and size of 'Work Friends' to match Family and Close Friends

43. [#4] [Consistency and Standards] / Severity: [2] / Found by: A

Task: Moderate

Description: For Family and Close Friends, there is a caption such as "Home sweet home," or "THE HOMIES." For Work Friends, there is no place to add a caption.

Rationale: It is not standardized, as Family, Close Friends, and Work Friends are all in the sub category, so all or none should allow captions.

Simple-fix: Add a caption for work friends.

44. [#4] [Consistency and Standards] / Severity: [2] /Found by: A

Task: Moderate

Description: To confirm your work friends, there is a giant blue check.

Rationale: Users might be confused because the giant blue check is utilized to "check-in" in the simple task. More alarmingly, a check is represented in the menu bar to represent the simple "check-in" task. Thus, it is a bit confusing to use a check mark to confirm work friends.

Simple-fix: Use a different button to confirm work friends (groups in general)

45. [#4] [Consistency and Standards] / Severity: [2] / Found by: A

Task: Complex

Description: When playing a trivia game, there is a giant blue check to move on to the next page.

Rationale: Users might be confused because the giant blue check is utilized to "check-in" in the simple task. More alarmingly, a check is represented in the menu bar to represent the simple "check-in" task. Thus, it is a bit confusing to use a check mark to confirm work friends.

Simple-fix: Use a different button to continue on the trivia.

46. [#4] [Consistency and Standard] / Severity: [1] Found by: A

Task: Complex

Description: On the menu bar, in order to represent activities, the app utilizes a basketball.

Rationale: This feels like a mismatch because none of the activities given are like basketball rather they are Trivia Challenge, Hanged Man, Tic Tac Toe, 8 Ball Pool

Simple-fix: Choose a more all-encompassing icon to represent activites.

47. [#11] [Accessible Design] / Severity: [1] Task: Overall/ Found by: A, B

Description: Blue usage (Check button, check-in button, and The Title's)

Rationale: The borders of buttons and the confirm button is light blue, while the background is black

Simple-fix: Change to a different color, or make it darker blue or change to another color

48. [#4] [Consistency and Standards] / Severity: [1] Task: Setting up profile/ Found by: A

Description: The number by the star is misaligned (*225)

Rationale: Extremely minor, but the star is slightly above the number 225

Simple-fix: Center the icon and the number.

49. [#4] [Consistency and Standards] / Severity: [1] Task: Moderate / Found by: A

Description: In the groups section, the number above PT is misaligned.

Rationale: Extremely minor, but there is an inconsistency with the #points and the caption "points". I believe they are misaligned.

Simple-fix: Re-align # of points and points

50. [#10] [Help and documentation] / Severity: [2] Task: Complex /Found by: A

Description: On the complex task, there is no indication if you only get "stars" if you share your check in.

Rationale: If a user is doing an activity simply for the stars, then there is no indication if they have to share their activity result.

Simple-fix: Have the *255 on the top of the end of the trivia page and allow the user watch it change to *259 before they click the complete icon button. Or have an overlay,

saying "You have earned 4 stars"

51. **[#6] [Recognition rather than Recall] / Severity: [4] Task: Simple / Found by: A**

    Description: Once clicking the check mark to check-in and take a photo, there is no indication if the user is checking in for their family or friends.

    Rationale: They might forget what group they are checking in with, and the type of photo they shoot will be different depending on the group.

    Simple-fix: Add a title of checking in with family, or checking in with friends

52. H10: Help and documentation / severity: 3 / **Found by: B**
    a. Task 1
    b. Problem Description: Do not understand what different symbols mean and what each grid corresponds to
    c. Rationale: Just by looking at the widget user wouldn't understand what it is for
    d. Suggested Fix: add some more description of what different grids and symbols mean, especially when there are so much space

53. H8: Aesthetic and minimalist design / severity: 2 / **Found by: B**
    a. Task 1
    b. Problem Description: weird color and design choice
    c. Rationale: Photo looks great but doesn't go well with the other gradient color background parts
    d. Suggested Fix: either change the design, change the backgrounds or make every grid a photo

54. H8: Aesthetic and minimalist design / severity: 2 / **Found by: B**
    a. Task 1
    b. Problem Description: Information not related to checkin
    c. Rationale: In this widget, information such as trivia is unrelated to the task, which is viewing other people's check in
    d. Suggested Fix: only put information related to checkin in in the widget (e.g. only photos)

55. H11: Accessible design / severity: 1 / **Found by: B**

    a. Task 1
    b. Problem Description: Check in button very close to other buttons
    c. Rationale: Some users such as elderly might have difficulty pressing the button
    d. Suggested Fix: leave more space around the button or make it bigger

56. H11: Accessible design / severity: 1 / **Found by: B**
    a. Task 1
    b. Problem Description: Check in button on the feed page is very small and seems insignificant
    c. Rationale: Without reading the specs I didn't know that the check in button is the most important feature.
    d. Suggested Fix: More white space or larger button size might help make the button look more important

57. H2: Matching between system and the real world / severity: 1 / **Found by: B**
    a. Task 1
    b. Problem Description: include location data is a relatively technical term
    c. Rationale: users might not think of their location as data
    d. Suggested Fix: change it to simpler text such as "add location"

58. H4: Consistency and standards / severity: 1 / **Found by: B**
    a. Task 2
    b. Problem Description: bottom line is sometimes blue sometimes gray
    c. Rationale: the line at the bottom of the logo of groups page at the navigation bar is sometimes gray and sometimes blue
    d. Suggested Fix: make the position of the bottom bar constant

59. H4: Consistency and standards / severity: 2 / **Found by: B**
    a. Task 2
    b. Problem Description: position of bottom navigation bars changes in every screen
    c. Rationale: position of bottom navigation bar should be constant and not change depending on the screen. The bottom bar's movement is very distracting
    d. Suggested Fix: make the position of the bottom bar constant

60. H4: Aesthetics and minimalist design / severity: 2 / **Found by: B**
    a. Task 2
    b. Problem Description: box alignment is different in different screens
    c. Rationale: The white boxes in the first and second screen are not aligned, which is very distracting. Same for other screens

      d. Suggested Fix: align these boxes

61. H11: Accessible design / severity: 2 / **Found by: A, B**
      a. Task 2
      b. Problem Description: checked boxes look similar to unchecked boxes
      c. Rationale: the checkboxes are only slightly highlighted with light gray, which is not very visible, especially to people with low vision or elderly
      d. Suggested Fix: highlight it with a more obvious color (e.g. black) or use check icons instead

62. H4: Consistency and standards / severity: 1 / **Found by: B**
      a. Task 2
      b. Problem Description: page name on the top left corner changes font size
      c. Rationale: The page title should be have the same font size because they should essentially be the same kind of component
      d. Suggested Fix: use the same font size

63. H4: Aesthetics and minimalist design / severity: 1 / **Found by: B**
      a. Task 2
      b. Problem Description: page name on the top left corner changes in position
      c. Rationale: The page title should be at the same position. For example, checkin page and activities page
      d. Suggested Fix: align all the titles

64. H4: Consistency and standards / severity: 2 / **Found by: B**
      a. Task 3
      b. Problem Description: Box design inconsistent
      c. Rationale: The boxes of the first, second and third screen have slightly different sizes and padding, which is very distracting
      d. Suggested Fix: use the same padding and height/size for all boxes

65. H7: Flexibility and efficiency of use / severity: 2 / **Found by: B**
      a. Task 3
      b. Problem Description: going to trivia needs a lot of steps
      c. Rationale: user can see trivia from home screen but need to navigate to somewhere else to go to trivia
      d. Suggested Fix: let people play trivia when clicking on trivia

66. H7: Consistency and standards / severity: 2 / **Found by: B**

a. Task 3
b. Problem Description: font is different on activities page and home page
c. Rationale: font and color is different between different pages, such as the activities page and home page
d. Suggested Fix: make it into the same font

67. H4: Consistency and standards / severity: 2 / **Found by: B**
a. Task 3
b. Problem Description: trivia page is not aligned with the boxes of the previous page
c. Rationale: there is a clear change in padding width between the two pages after clicking on trivia challenge
d. Suggested Fix: align the items

3. Summary of Violations

Category	# Viol. (sev 0)	# Viol. (sev 1)	# Viol. (sev 2)	# Viol. (sev 3)	# Viol. (sev 4)	# Viol. (total)
H1: Visibility of Status	0	0	2	0	0	2
H2: Match Sys & World	0	1	0	1	0	2
H3: User Control	0	0	2	3	3	8
H4: Consistency & Standards	1	10	10	0	1	22
H5: Error Prevention	0	1	1	0	2	4
H6: Recognition not Recall	0	0	4	0	1	5
H7: Efficiency of Use	0	0	3	2	2	7
H8: Minimalist Design	0	2	2	0	0	4
H9: Help Users with Errors	0	0	0	0	0	0
H10: Help & Documentation	0	0	4	1	0	5
H11: Accessible	0	5	1	1	0	7
H12: Value Alignment & Inclusion	0	0	1	0	0	1
Total Violations by Severity	1	19	30	8	9	67

Note: check your answer for the green box by making sure the sum of the last column is equal to the sum of the last row (not including the green box)

4. Evaluation Statistics

Severity / Evaluator	Evaluator A	Evaluator B	Evaluator C	Evaluator D	Evaluator E
Sev. 0	0/1=0%	0/1=0%	1/1 = 100%		
Sev. 1	7/19=37%	7/19=37%	6/19 = 32%		
Sev. 2	14/30=47%	10/30=33%	14/30 = 47%		
Sev. 3	4/8=50%	2/8=25%	7/8 = 87%		
Sev. 4	6/9=66%	6/9=66%	7/9 = 78%		
Total (sevs. 3 & 4)	10/17= 58%	8/17=47%	14/17 = 82%		
Total (all severity levels)	31/67=46%	23/67=34%	35/67 = 52%		

*__Note that the bottom rows are *not* calculated by adding the numbers above it.__

5. Summary Recommendations

[merge the general recommendations you made here]

Amazing job with the Medium Fidelity Prototype!

1. You had the most violations in H3: User Control and Freedom, and H4: Consistency and Standards. There are small details such as inconsistent fonts, grid misalignments, or text and buttons that are difficult for seniors to see or click that distract from a perfect user experience. While we think your high level design is great, attention to these details will make it even better.

Our three biggest concerns:

1. There are three tabs dedicated to checking in and one reserved for groups, while every other aspect of your application is sandwiched somewhere in between them. I think it would be much clearer to dedicate one tab to checking in (in all its forms) and reserve the rest for all the other aspects of your application.

2. One cannot view my friends / families' check in photos without first taking a photo or checking in. This is true even when I just checked in a second ago. This might annoy the users who want to constantly check what their friends are doing.

3. We have concerns about this application and its relation to mental health. The idea of the application is make it easier to check in family and friends without being intrusive. What if someone is not doing well which they indicated during the check in and no one checks in on them? Such a scenario would make their mental health worse. I worry about this because of the bystander effect that states that individuals are less likely to

offer help when there are other people present. As many people can see user A is not having a great day, then people may believe other people will check in, so they do not. This might make user A feel like no one cares.

Overall I think that you did a great job on the medium fi prototype!

Severity Ratings

0 - not a usability problem
1 - cosmetic problem
2 - minor usability problem
3 - major usability problem; important to fix
4 - usability catastrophe; imperative to fix

Heuristics

H1: Visibility of System Status
- Keep users informed about what is going on

H2: Match Between System & Real World
- Speak the users' language
- Follow real world conventions

H3: User Control & Freedom
- "Exits" for mistaken choices, undo, redo
- Don't force down fixed paths

H4: Consistency & Standards
- Words, actions, and UI elements should be consistent across the entire platform
- Follow platform and industry conventions

H5: Error Prevention
- Minimize error-prone conditions
- Remove memory burdens, support undoing, and warn your users when necessary

H6: Recognition Rather Than Recall
- Make objects, actions, options, & directions visible or easily retrievable

H7: Flexibility & Efficiency of Use
- Accelerators for experts (e.g., gestures, keyboard shortcuts)
- Allow users to tailor frequent actions (e.g., macros)

H8: Aesthetic & Minimalist Design
- No irrelevant information. Focus on the essentials.

H9: Help Users Recognize, Diagnose, & Recover from Errors
- Error messages in plain language
- Precisely indicate the problem
- Constructively suggest a solution

H10: Help & Documentation
- Easy to search
- Focused on the user's task
- List concrete steps to carry out
- Not too large

H11: Accessible
- Users can interact with the system using alternative input methods.
- Content is legible with distinguishable contrast and text size.
- Key information is upfront and not nested for screen readers.

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- Purely visual or auditory content has text-based alternatives for users with low vision and low hearing.

H12: Value Alignment and Inclusion
- The design should encode values that users can understand and relate to.
- It should make a diverse group of users feel included and respected.
- The design should prevent the reproduction of pre-existing inequities and not create additional burdens for members of disadvantaged populations.