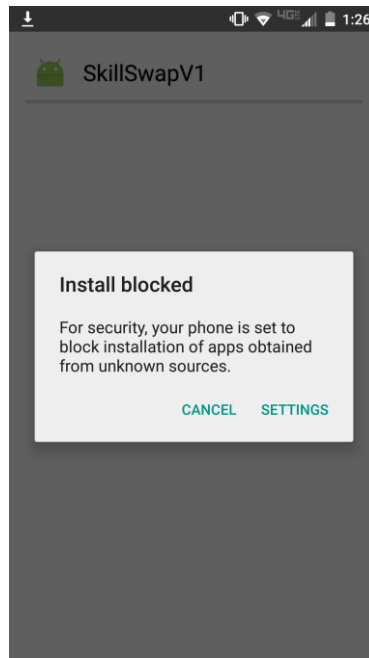


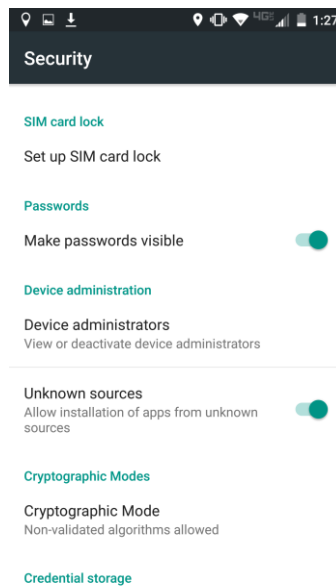
- **Installation requirements**

The application requires a mobile phone running Android Lollipop API-21 or above for proper functionality.

- Download app-debug.apk file from SkillSwap website, listed under project executable.
- Install it on your phone by just tapping on the downloaded file. The application will run upon installation.
- If the following message pops-up:



- Go to your settings -> security and turn on your Unknown Sources button.



- **Operating instructions**

- Overview:

- Use the tabs at the bottom to navigate between the five main screens – the home network screen, the notifications screen, the searching for partners screen, the messaging screen, and your profile. Use the android back button to go back from any screen.

- Adding an additional swap partner:

- Tap on the notifications tab at the bottom (the second tab). Tap on the first notification (referring to Justin). Tap on the two buttons at the bottom to accept or deny his skillswap request. You can also tap on Justin's picture to see his profile, and then tap the button in the profile to accept a skill request. If you accept his request, a swap summary about him will appear in the main screen.

- Sending a swap request:

- Tap on the search partner tab (the third tab). Tap on the listed skills to toggle what you want to prioritize and then tap the continue button at the bottom. Tap on the first user to see their profile. Tap on the button at the bottom of their screen to start sending a request. On the request page, tap the spinners at the top and the text box to modify your request, and tap the button at the bottom to send the request. A toast will notify that your request has been sent.

- Add skills to your profile:

- Tap on your profile tab (the last tab). Tap the blue button at the very bottom of your profile. You'll be taken to a list of skills; tap on a skill to view it in more detail (right now only Fencing is selectable). On the skill description page, tap on a button corresponding to the level at which you want to teach/learn the skill and tap the "I want to learn that" or "I can teach that" to add it to your profile.

- **Limitations in the implementation**

- Due to time constraints, not all items in our app are selectable. Generally speaking, only the first item in any given list in the app is selectable (e.g. Jamie in "Networks", fencing in "Search Skills", etc.). Items that can't be interacted with will be marked by a red toast stating that this is the case.
- Similarly to the limitation above, in "search skills", the search bar, as well as the tags "trending" and "popular," are inactive.
- The page "messaging" cannot be interacted with at all, and serves as purely a visual representation of what the messaging would look like.
- The search results when searching for new partners is hard-coded, and is not actually affected by the skills the user chooses.
- There is often nothing preventing the user from repeating many paths of information, such as adding fencing as a skill or accepting Justin's swap request, multiple times.
- Due to bugs in storing information, skills listed on the user's profile page may be inconsistent with the skills they've chosen to add or remove. It also might change when the user leaves or comes back to the page.

- Due to the number of activities that run during the life of the app, the app may crash for devices with limited heap memory.
- Due to the number of activities, the app may run slowly.