

Trades

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Team 22

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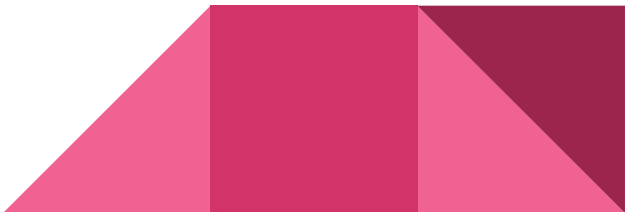
Trades: Goals

Trades is a mobile application that aims to create a safe, intuitive, and reliable marketplace for students to sell their own skills.


There is a current focus of only selling items online, with student skills often being ignored for more expensive business-based services.



Trades: Sprint Plan 1

- User Story 1: As a designer, I want templates of all pages to be complete, so there is a basis for implementing the next buttons and functions.
 - Intuitiveness
 - User Story 2: As a programmer, I want a basic set of buttons and functions to be implemented, so that there is a outline for additional features and functions to be added onto.
 - Intuitiveness
 - User Story 3: As a consumer, I want to see clear instructions on how to use the app, so that I will not be confused when using it.
 - Intuitiveness
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Trades: Sprint Plan 2

- User Story 1: As a programmer, I want to implement a profile and email authentication system, so that transactions can be recorded and reputable.
 - Security
 - User Story 2: As a programmer, I want to implement a database so that listings and profiles can be stored and efficiently accessed.
 - Reliability
 - User Story 3: As a consumer, I would like to have a ratings system, so that I will have a good idea of the reputability and satisfaction of listers.
 - Reliability
 - User Story 4: As a user, I want the transition from one activity to the next to be smooth, so that the app feels streamlined.
 - Intuitiveness
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Trades: Sprint Plan 3

- User Story 1: As a programmer, I want the Google Maps API to be implemented so that the app can gauge the distance between the user and potential skill resources within a certain radius.
 - Security
- User Story 2: As a programmer, all bugs should be handled and the app should never crash, so that the user(s) will have no problem(s) with the app.
 - Reliability
- User Story 3: As a designer, I want the overall look to be smooth and refined so that the user(s) find the overall GUI to be appealing.
 - Intuitiveness



Trades: Components

- Login Page
- User Profile
 - Ratings/Comments
 - User transactions (portfolio)
- Buy page
- Public activities feed (like Venmo)
- Map (Google API)



Trades: Challenges

- Creating a robust database to store and manage information.
- Accessing Google's Geolocation API to verify distances between users for account security.
- Ensuring multi-level verification for user security.
- Creating a fluid layout that enables quick listings and purchases.



Trades: Technologies

- Programming languages: Java, XML, JSON
- Database: Firebase
- Environment: Android Studio, Sublime Text
- Other potential technologies: MySQL, Google API

