

RoomEase: All in one roommate organization

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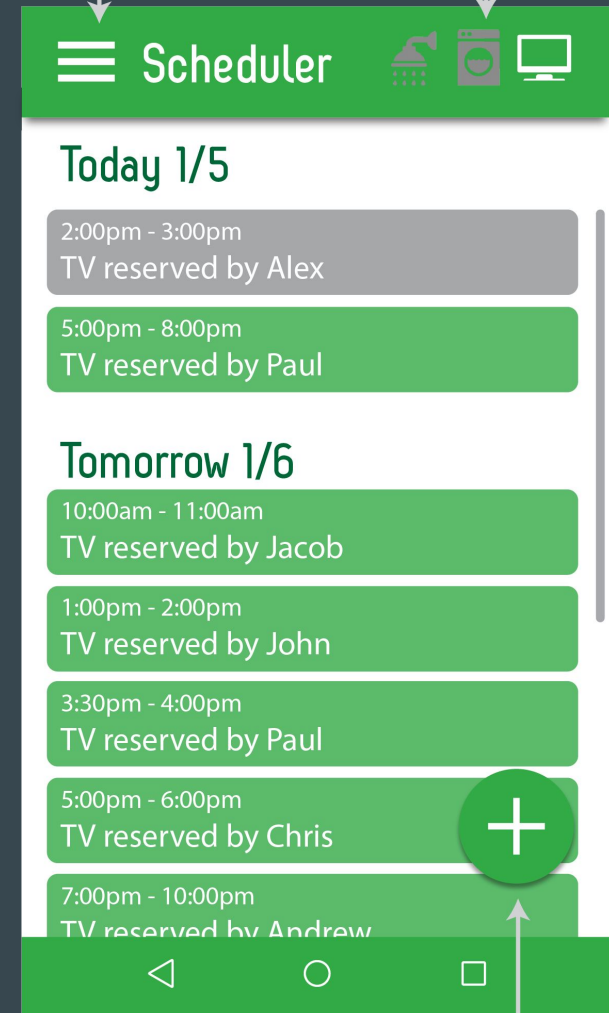
Goal: Give people all the tools they need to live together

Features:

- Scheduling shared resources (shower, TV, laundry)
- Fridge management
- Shared note taking and lists
- Rent and payment integration
- Chore scheduling
- Check who's home
- Communication

Allows access to other features of app

Toggles which shared resource to schedule



Add item to schedule

Software Architecture

Mobile Application

- Android SDK with Android Studio or Apple SDK

Backend

- **Database of groups** storing the schedules, user information, notes, etc.
- Server containing database

Toolkits

- **Venmo for payment integration**
- Google Maps for location verification
- Google Calendar for scheduling
- **Polymer or similar toolkit** for UI development
- Messaging API

Challenges and Risks

- **Competition**
 - **People might be hesitant to adopt a new system**
 - Include enough features to make this app the complete package
- **Flaws in UI would be a major deterrent to users**
 - Streamline user experience, putting focus on most used features
- **Potentially learning new languages and toolkits**
 - Meet frequently with team early on to stay up to speed and get help if necessary
- **Integrating various toolkits together can be problematic**
 - Being prepared to work around these issues and potentially drop a toolkit if it becomes a problem
- **Big project**
 - Balancing features and resources, cutting superfluous or problematic aspects of the app