Lendr

Team 22: Aditya Dhingra, Rahul Pai, Yash Shiroya, Devaunsh Sambhav, Shreyaansh Bassi

Project Charter

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1 Team 22 Members

1. Aditya Dhingra
2. Rahul Pai
3. Yash Shiroya
4. Devaunsh Sambhav
5. Shreyaansh Bassi

2 Problem Statement

Buying and selling items is how college students both save and make money throughout their college careers. We intend to build, **Lendr**, a buying and selling platform that allows college students to efficiently and effectively buy and sell items from others in their area. The difference between our platform and the current system of using Facebook groups is we will also incorporate a method for people to rent items for a period as well. **Lendr** provides all the of the resources to do what you need to do in one place.

3 Project Objectives

- Develop a Web Application that lets users find and post things to buy, rent, and sell.
- Create databases to store information about the users, the products posted categorized by the user (if any), the products available to buy and rent on the website.
- Create an easy to use UI to let users sign up to post their stuff they might want to sell or rent.
- Use a third-party payment API that lets users pay the owners for products they want to buy or rent.
- Send push notifications to users if they have rented something and the rent period is about to end.

- Send push notifications to the users if the item they want to rent is available to rent (if they wanted to rent it before but it was already on rent by someone else).
- Have a MySQL Server (Subject to change) for hosting the Databases with a Node.js backend for defining the endpoints for the application.
- Use a React-Redux front-end to display the different products on the page as soon as the user logs in the application.
- Use Heroku to host our service and efficiently respond to queries for multiple users.

4 Stakeholders

- **Users:** Public
- **Project Coordinators:** The GTA/TA's our team reports to for this project.
- **Team Leader:** Rahul Pai
- **Software Developers:** Aditya Dhingra, Rahul Pai, Shreyaansh Bassi, Devaunsh Sambhav, Yash Shiroya
- **Project Owners:** Aditya Dhingra, Rahul Pai, Shreyaansh Bassi, Devaunsh Sambhav, Yash Shiroya

5 Deliverables

- A platform independent web app that allows user to buy, rent, and sell things
- An easy to use UI for the users.
- MySQL databases to manage user data.
- Node.js and Python server side algorithms to efficiently process information.