Team 32 Project Charter
Itembnb

Team Members:
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Project Title:
Itembnb: The item renting service for all your item needs!

Problem Statement:
Consider a situation where a university student needs a scientific calculator for a single exam; purchasing one makes no sense. Similarly, people might want to use certain items for just a fixed period of time, instead of buying them. With Itembnb, users can offer up their items for borrowing, and borrow other people's items. Other apps allow you to lend and borrow items, but none will have an interface as simple and accessible as Itembnb, with a calendar and chat system to facilitate communication between users.

Project Objectives:
- Create an interface that connects people who want to lend out their items to people who would be interested in borrowing items. Think Airbnb, but for items instead of homes.
- Build a chat system to connect lenders and borrowers.
- Create a lender mode for users, allowing them to display items they would like to lend.
- Create a borrower mode for users, allowing them to search and browse through items as well as user ratings.
- Design a system to facilitate borrowers finding suitable days to borrow items from lenders with the use of calendars.
- Design a map view to allow users to see items available for borrowing nearby.

Stakeholders:
<u>Users:</u> People who want to borrow items, people who want to list items to lend
<u>Developers:</u> Ali Fareed Shirazi, Sara Xiao, Jun Shern Lim, Ming Yan Ti
<u>Project Manager:</u> Shayne Stephen Marques
<u>Project Owners:</u> Ali Fareed Shirazi, Sara Xiao, Jun Shern Lim, Ming Yan Ti

Project Deliverables:
- A React JS frontend web application that allows lenders to post items available to borrow, and allow borrowers to search for items.
- A messaging system built with a messaging API for lenders and borrowers to communicate about item exchange.
- A calendar-based system built with a calendar API for lenders to post available dates for items to rent and for borrowers to check available items on specific dates.
- A Node.js backend to handle processing of chat logs, calendar availabilities and item exchange features.
- A database that manages user profiles as well as services and products available for exchange.
- A map system built with a map API for users to view nearby lenders and borrowers.