

ReadMe File

JUNK-BROKER APPLICATION

CSE-682 SOFTWARE ENGINEERING

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How to Access Current System

Simply visit the website hosted in the following URL:

<https://junkbrokerfrontend20230318181957.azurewebsites.net/>

How to Build the Source Code

1. Pull down repository located on GitHub using the following link:
<https://github.com/kchalupa72/JunkBroker>
2. Open with Visual Studio by selecting the .sln file (JunkBroker.sln)
3. Set up multiple projects by right clicking on the solution and select 'Set up Multiple Projects'
 - o Set JunkBroker API and Junk Broker Front end to Start
 - o You now can run the 2 required executables for the system
4. Create a new User.Secrets.Json File for the JunkBroker_API Project (Right click Junk Broker API Project and select Manage User Secrets)
 - o Copy the text of the appsettings.json file into the new User.Secrets.Json file
 - o Now place the Cosmos DB Connection String in the User.Secrets.Json

How to Run the Android App

1. Pull down repository located on GitHub using the following link:
<https://github.com/kchalupa72/JunkBroker>
2. Open the "JunkBrokerAndroidApp" folder with Android Studio
3. Compile the gradle file.
4. Create a device with a minimum SDK of 26.
5. Build and run the project.

System Evolution

Below is a detailed record of the system evolution. Over the past month, the Junk-Broker team has implemented many of the user and system requirements by using an incremental development approach.

Date	Increment Number	Implemented Features
Feb 28 th , 2023	0	- Initial commit and git ignore file
Mar 1 st , 2023	1	- Added base models and API
Mar 2 nd , 2023	2	- API and Front-end communication through HTTP client - Blazorise for styling and components - Toggle in GUI to switch between Buyer/Seller - Readme file
Mar 3 rd , 2023	3	- Added buyer and seller pages for front-end - Implemented user log-in credentials
Mar 4 th , 2023	4	- Added wireframe for listing page
Mar 5 th , 2023	5	- Added Create Listing page

		- Successfully integrated Cosmos DB client
Mar 6 th , 2023	6	<ul style="list-style-type: none"> - Added examples of creating a listing from front-end to API to database - Search Listings page is updating (reading data live from the database)
Mar 9 th , 2023	7	- Implemented R1 and R6 to Create Listings page
Mar 14 th , 2023	8	<ul style="list-style-type: none"> - Implemented Messaging Feature (R8) <ul style="list-style-type: none"> o Buyers and sellers can send each other messages in the app o Messages can be filtered based on the sender o The state of the message is saved as Read or Unread
Mar 18 th , 2023	9	- Implemented Android Application (R4)
Mar 23 rd , 2023	10	- Improved messaging feature and fixed update for user selection

Future feature developments:

- View listings and performance feature on the Seller Page (R7)
- Transaction Features: Buyer's Cart, Checkout Feature (R14)
- Favorite Listings Feature on Buyer Page (R11)