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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'
   * Set JunkBroker API and Junk Broker Front end to Start
   * 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)
   * Copy the text of the appsettings.json file into the new User.Secrets.Json file
   * 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 28th, 2023 | 0 | * Initial commit and git ignore file |
| Mar 1st, 2023 | 1 | * Added base models and API |
| Mar 2nd, 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 3rd, 2023 | 3 | * Added buyer and seller pages for front-end * Implemented user log-in credentials |
| Mar 4th, 2023 | 4 | * Added wireframe for listing page |
| Mar 5th, 2023 | 5 | * Added Create Listing page * Successfully integrated Cosmos DB client |
| Mar 6th, 2023 | 6 | * 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 9th, 2023 | 7 | * Implemented R1 and R6 to Create Listings page |
| Mar 14th, 2023 | 8 | * Implemented Messaging Feature (R8)   + Buyers and sellers can send each other messages in the app   + Messages can be filtered based on the sender   + The state of the message is saved as Read or Unread |
| Mar 18th, 2023 | 9 | * Implemented Android Application (R4) |
| Mar 23rd, 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)