

CSP584 Project – Term Project

Home Hub – A Home Service Ordering Application

Team 7

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1. How many total lines of code written?

7465 lines of code (frontend and backend with python excluded).

2. What are the features implemented and functional in your project?

A. **User Account/Profile/ Transaction management Mysql** – This feature is implemented and full functional as stated the user can add/update/delete his/her details such as address, credit card number, etc.

B. **Recommender** – Service providers are recommender to each customer based on their transactional history and reviews written by them to the past providers.

C. **Twitter Matches** – Service provider's twitter timeline were accessed with the help of twitter api and matched with corresponding service providers and been display in the home page.

D. **Analytics & Visual Reports** – The orders, reviews for each service provider are been analyzed and represented as bar charts and tables using JavaScript.

E. **Review & Trending & MongoDB** – This is most useful feature has based on this feature functionalities of other feature is related. In, this feature the customer can write as well as view reviews stored in mongoDB (No-SQL DB) and trending providers reports is being generated based on these reviews.

F. **Auto-Complete Search Feature** – The user will be able to search for any service provider or any service he/she wishes for using this search bar available in all the pages.

G. **Google Maps – Near ME search** – The user can search for any service in

the map search box available in the home page. And can view the provider and can place an order if there are interested.

H. **Knowledge Graph Searches & Neo4j** – A graph database was created for the application based on the transaction data and orders. Many relationships between the user and customer and store manager and reviews were created and analyzed and pagerank was done.

J. **Google to view service provider location** – In the Service page a map displays their location.

I. **Sorting Feature** – When all the service pages are displayed the user can sort the listings in alphabetical order.

3. What are Assignments features that are NOT implemented?

All the assignment features are implemented.

4. What are the assignments features that are attempted but NOT functional?

To the best knowledge all are functional.

Steps to Run the Homehub_Project:

1. Copy the "Homehub_Project" folder and paste it into the C:\apache-tomcat-7.0.34\webapps directory
2. Start the MySql server and create Database named - "homehub", run the python script getservices.ipynb to populate data in database from api.
(api_key = "i0wmlx7AjOGZa2fUTGaqlSeEqncZwhUCvQHsbL-QcT-

Ju4H7eGld30_L1XXCqTWtCK05Wha8_83sHUYCqwpPuvvvlUZe4P2_dFEzexKFCJ3frVFTFcjSG_CdVMTKX3Yx" which is also present in the ipynb file).

3. load sql.sql data into database it will create the needed table.
4. Then start the MongoDB Server and create Database "homehub" and create collection db.createCollection myReviews enter.
5. After both the database servers are started, then start the Tomcat server
6. Go to C:\apache-tomcat-7.0.34\ run your env-setup-for-tomcat file and cd bin and give startup to run tomcat. Once it is up and compiled. Open chrome
7. Run the application by writing localhost/Homehub_Project.

For neo4j:

1. Open dump_db_tables_to_csv_files.ipynb file and run it.
2. CSV file will be generated.
3. Open neo4jdesktop and click new.
4. Click add database and add plugins APOC and Graph Data Science Library.
5. Click on the ther does and click manage and import and copy the csv file into the opened folder.
6. Then open cyphercommands file and copy one by one command and run it.

