

Capstone Project Weekly Progress Report

Semester	Fall 2021
Course Code	AML 3406
Section	Section 2
Project Title	Restaurant Recommending Chatbot
Group Name	Group 3
Student names/Student IDs	Vignesh Kumar Murugananthan C0793760
Reporting Week	Week 5 – 10/09/2021
Faculty Supervisor	Vahid Hadavi

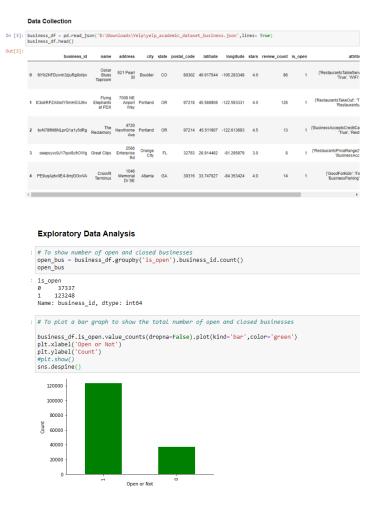
1. Tasks Outlined in Previous Weekly Progress Report

- Created GIT Repository
- Downloaded the latest data from Yelp in Json format
- Loaded them in local repository
- Installed MongoDB in cloud service
- Imported the dataset into MongoDB
- Structured the data

2. Progress Made in Reporting Week

- Analyzed Business data and Review data
- Explored the data to find various insights in them
- Grouped data based on the restaurant category and visualized them in order to understand how the data is represented.





3. Difficulties Encountered in Reporting Week

• We faced few issues with the performance, so currently in choosing the best model which makes the model to perform better with more data.

4. Tasks to Be Completed in Next Week

- NLP Concepts Finding the best restaurants for particular cuisines
- Modelling
- Model Evaluation
- Cosine Similarity
- Chat bot Building



Overall Project Plan:

Restaurant Recommending Chatbot

TASK NAME	RESPONSIBLE	START	FINISH	DURATION (DAYS)	STATUS	STATUS
Project Proposal				, , , , ,		Complete
Case study Analysis	Team	18-Sep	23-Sep	5	In Progress	Overdue
Requirements Documentation	Vignesh/Murali	18-Sep	23-Sep	5	In Progress	In Progress
Presentation Slides	Swathi	18-Sep	23-Sep	5	In Progress	Not Started
Requirements Gathering						
SW Environment Setup	Team	23-Sep	1-Oct	8	Not Started	
Data acquition - Scrapy, Twitter API	Vignesh/Varadha	23-Sep	1-Oct	8	Not Started	
Requirement Analysis	Swathi	23-Sep	1-Oct	8	Not Started	
Documentation	Swathi/Murali	23-Sep	1-Oct	8	Not Started	
Development Phase I						
Model building	Vignesh/Murali	1-Oct	22-Oct	21	Not Started	
NLP	Varadha	1-Oct	22-Oct	21	Not Started	
Development Phase II						
Webapp Building	Swathi	23-Oct	12-Nov	20	Not Started	
Buffer	Team	23-Oct	12-Nov	20	Not Started	
Testing Phase I						
Unit Testing	Murali	13-Nov	19-Nov	6	Not Started	
Integration Testing	Swathi	20-Nov	26-Nov	6	Not Started	
Testing Phase II						
Functional Testing	varadha/murali	26-Nov	4-Dec	8	Not Started	
Performance Testing	vignesh/swathi	5-Dec	13-Dec	8	Not Started	
Final Presentation						
Report Generation/Documentation	Swathi/Murali	13-Dec	15-Dec	2	Not Started	
Slides data collection	Varadha/vignesh	15-Dec	16-Dec	1	Not Started	
Finalize Presentation	Team	16-Dec	17-Dec	1	Not Started	
Approve Presentation	Team	17-Dec	18-Dec	1	Not Started	

Individual Project plan:

Case study analysis

S/W environment setup

Development phase 1 - NLP

Development Phase 2 – Webapp Building

Testing Phase 2 – UNIT and Integration testing



HIGLIGHTED BELOW ARE MY RESPONSIBILITIES

Restaurant Recommending Chatbot

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