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 4 – 10/02/2021
Faculty Supervisor	Vahid Hadavi

1. Tasks Outlined in Previous Weekly Progress Report

- Install all libraries and the platform needed for the project
- Create Azure workspace for Machine Learning
- Install MongoDB in local system to import Json data

2. Progress Made in Reporting Week

- 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
- Structured the data

Collection Name	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	Properties
checkin	138,876	2.8 KB	382.7 MB	1	1.1 MB	
rawdata	160,585	808.7 B	123.8 MB	1	2.2 MB	
reviews	8,635,403	827.4 B	6.7 GB	1	93.4 MB	
tips	1,162,119	223.1 B	247.2 MB	1	12.4 MB	
userdata	0	-	0.0 B	1	4.0 KB	

3. Difficulties Encountered in Reporting Week

- The file size was huge and was new to handle size of that nature.

Databases Performance

CREATE DATABASE

Database Name	Storage Size	Collections	Indexes
admin	20.0KB	0	1
config	24.0KB	0	2
local	20.0KB	1	1
yelp_data	5.0GB	5	5

4. Tasks to Be Completed in Next Week

- Perform initial cleaning of data
- Data Preprocessing
- Apply NLTK processes and structure the data

Overall Project Plan:

Restaurant Recommending Chatbot

TASK NAME	RESPONSIBLE	START	FINISH	DURATION (DAYS)	STATUS
Project Proposal					
Case study Analysis	Team	18-Sep	23-Sep	5	In Progress
Requirements Documentation	Vignesh/Murali	18-Sep	23-Sep	5	In Progress
Presentation Slides	Swathi	18-Sep	23-Sep	5	In Progress
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

STATUS
Complete
Overdue
In Progress
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

TASK NAME	RESPONSIBLE	START	FINISH	DURATION (DAYS)	STATUS
Project Proposal					
Case study Analysis	Team	18-Sep	23-Sep	5	In Progress
Requirements Documentation	Vignesh/Murali	18-Sep	23-Sep	5	In Progress
Presentation Slides	Swathi	18-Sep	23-Sep	5	In Progress
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