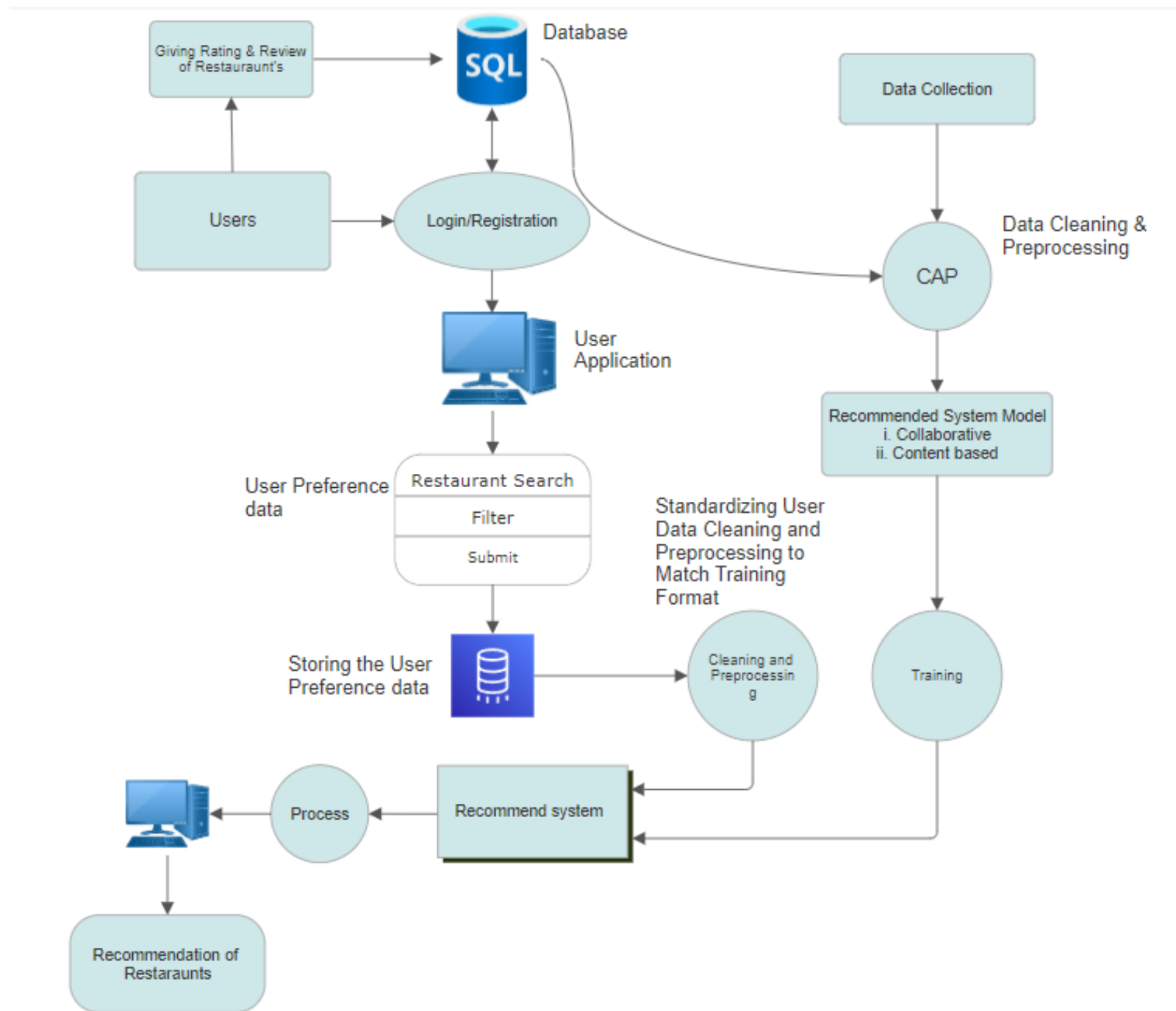# Project Design Phase-II
# Data Flow Diagram & User Stories

| Team ID | 591739 |
|---|---|
| Project Name | Project – Restaurant Recommendation System |
| Maximum Marks | 4 Marks |

## Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the rightamount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Giving Rating & Review of Restauraunt's

Database

SQL

Data Collection

Users

Login/Registration

Data Cleaning & Preprocessing

CAP

User Application

Recommended System Model
i. Collaborative
ii. Content based

User Preference data

Restaurant Search

Filter

Submit

Standardizing User Data Cleaning and Preprocessing to Match Training Format

Storing the User Preference data

Cleaning and Preprocessing

Training

Process

Recommend system

Recommendation of Restaraunts

# --User Stories --

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirmingmy password. | AI platform creates an account for me and stores my information. | High | Sprint-2 |
| Hungry User | GUI Interface to input the location | USN-2 | As a hungry user, I want to be able to input my location and dietary preferences so that the AI system can recommend nearby restaurants. | I can input my current location. | High | Sprint-3 |
| Time-conscious user / Traveler | Filter that recommends restaurants that fulfill the needs. | USN-3 | I want the AI system to provide me with a list of fast-food restaurants with high ratings near my location, so I can quickly find a place to eat on my lunch break. | I can input the best ratings for the restaurant that I want to dine in. | Medium | Sprint-3 |
| User Planning a Special Occasion | GUI Interface that lets the user input the budget | USN-4 | I want the AI system to suggest upscale or romantic restaurants within a certain budget range and with options for making reservations. | I can input my preferred occasion. | Medium | Sprint-3 |
| A health-conscious user | None | USN-5 | As a health-conscious user, I would like the AI system to provide restaurant suggestions based on nutritional information, helping me make healthier choices while dining out. | I can input the required restaurant based on the cuisine they serve. | High | Sprint-3 |
| Past User | Storing user's details from past experience | USN-6 | I want the AI system to remember my dining preferences and provide restaurant recommendations based on my past dining history and reviews. | The AI platform stores my information like my past preferences. | Medium | Sprint-2 |
| Customer (Web user) | None | USN-1 | I want the AI system to suggest lesser-known restaurants that offer exceptional food and unique dining experiences. | AI suggests the special cuisine served by the restaurant. | Medium | Sprint-3 |
| Developer Team Members | Source Code and project files | USN-7 | Can test if the platform is working perfectly. | The AI platform successfully returns the list of restaurants as requested by the user. | High | Sprint-1 |

| Normal User | Login | USR-3 | As a user, I can log into the website by entering my email and password | The AI lets the user in after successful sign-in | High | Sprint-2 |