

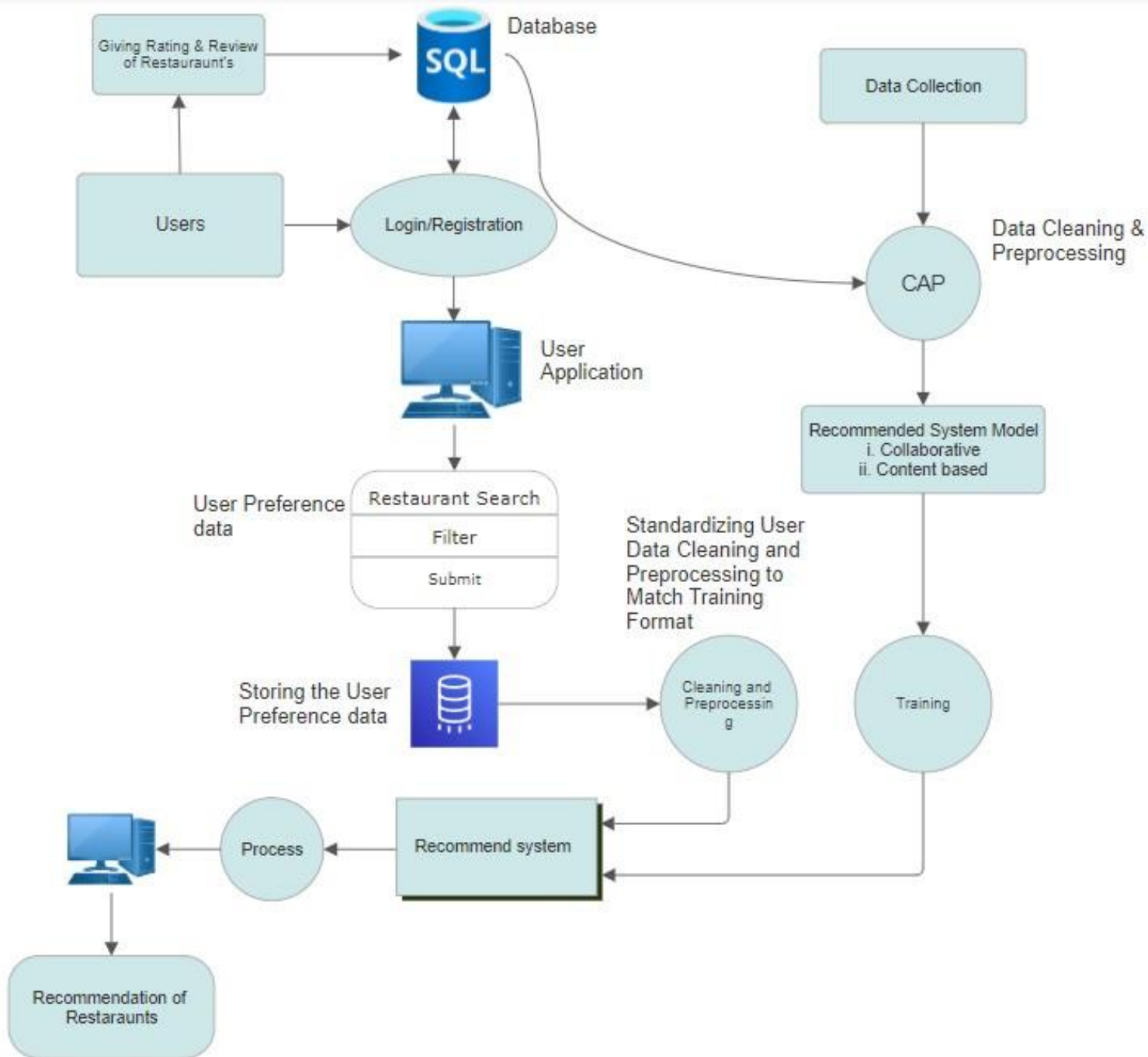
Project Design Phase-II

Data Flow Diagram & User Stories

Team ID	591739
Project Name	Restaurant Recommendation System
Maximum Marks	4 Marks
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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 right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



--User Stories --

User stories are concise, informal descriptions of a feature or functionality from an end user's perspective. They are a common tool in agile software development and are used to capture requirements and communicate them between the development team and stakeholders.

User stories focus on the who, what, and why of a feature, leaving the how (implementation details) to be discussed later. They help ensure that the development team understands the user's needs and that the delivered product provides value to the end user. User stories are often written on index cards or in digital tools and are part of the product backlog in agile development methodologies.

Role (As a [type of user]): This part defines the role or persona of the user who will benefit from the feature. This could be a customer, an administrator, a guest user, or any other relevant role.

Example: "As a customer," or "As an administrator,"

Action or Feature (I want [an action or feature]): This is the specific functionality or action that the user wants to perform or experience.

Example: "I want to be able to search for products," or "I want to receive email notifications."

Benefit or Value (So that [benefit or value]): This part explains the reason or the value that the user expects to gain from the requested feature.

Example: "So that I can quickly find the items I'm looking for," or "So that I can stay informed about important updates."

Putting it all together:

"As a customer, I want to be able to search for products so that I can quickly find the items I'm looking for."

This user story is clear and concise, providing information about who the user is, what they want, and why they want it. It serves as a starting point for discussions between the development team and stakeholders, allowing them to understand the user's needs and expectations.

User stories are often part of a larger product backlog, which is a prioritized list of features and enhancements that need to be implemented. As development progresses, user stories can be broken down into more detailed tasks and used to guide the implementation process. This iterative and customer-centric approach is a fundamental aspect of agile development methodologies.

User stories from the project :

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 confirming my password.	Ensure a secure, user-friendly, and reliable registration process for the application	High	Sprint-1
Customer		USN-2	As a user, I can use the services without registering as a user.	provide some guidelines to ensure that the user can effectively use the services without the need for registration.	High	Sprint-1
Old user	Profile Management	USN-3	As a user, I want to be able to edit my profile information, including preferences such as budget range, cuisine preferences, and distance range.	Users should be able to edit specific profile fields, including but not limited to: Username, Email or Password	Medium	Sprint-1
Old user	Login	USN-4	As a user, I can log into the application by entering my email & password.	The application provides a secure and user-friendly login experience, prioritizing both convenience and data protection.	High	Sprint-1
New User	Interface	USN-5	Users want a user-friendly interface that is easy to navigate and understand.	Users should be able to easily navigate through the application's features and sections without confusion and accommodates a diverse range of users.	High	Sprint-2
New User	Search	USN-6	As a User, I want to discover the best restaurants in my area.	Users should be able to enter their location or allow the application to access their location.	Medium	Sprint-2
Hungry User		USN-7	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.	The application should provide a user-friendly interface for users to input their location and dietary preferences.	High	Sprint-2
On-a-diet user	Filter	USN-8	As a customer, I want the option to filter restaurant recommendations based on dietary restrictions.	The system should allow users to specify dietary restrictions such as vegetarian, vegan, gluten-free, etc.	Low	Sprint-3

Traveler		USN-9	As a user, 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.	To provide a seamless and efficient experience for users seeking fast-food restaurant recommendations with high ratings near their current location.	High	Sprint-3
Health-Conscious user		USN-10	As a health-conscious user, I desire the AI system to offer restaurant recommendations that consider nutritional information, enabling me to make healthier dining choices.	Health-conscious users can receive personalized restaurant recommendations that align with their nutritional goals and preferences, promoting informed and healthier dining choices.	Medium	Sprint-3
Frequent User		USN-11	As a user, I want to receive personalized restaurant recommendations based on my past dining history and preferences, enhancing my dining experiences.	The system should ask the user to input their preferred cuisine type.	High	Sprint-4
Food blogger and critic	Review	USN-12	As a user, I want to write reviews and rate restaurants I've visited, helping other users make informed dining choices	It covers various aspects to ensure that users can easily contribute meaningful reviews and ratings to help others make informed dining choices.	Medium	Sprint-4
Normal User		USN-13	As a User, Users want to access reviews and ratings to make informed decisions about restaurant choices.	users can access reliable and informative reviews and ratings when making decisions about restaurant choices.	High	Sprint-4