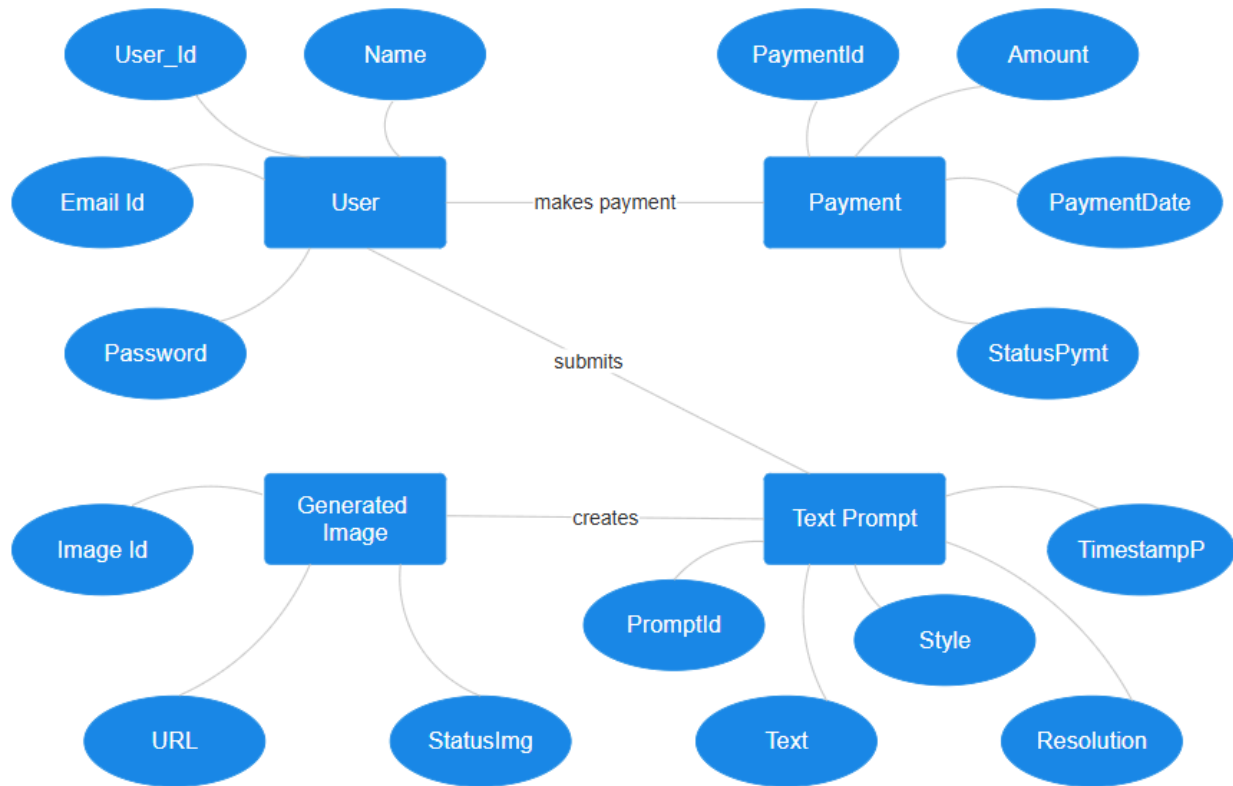


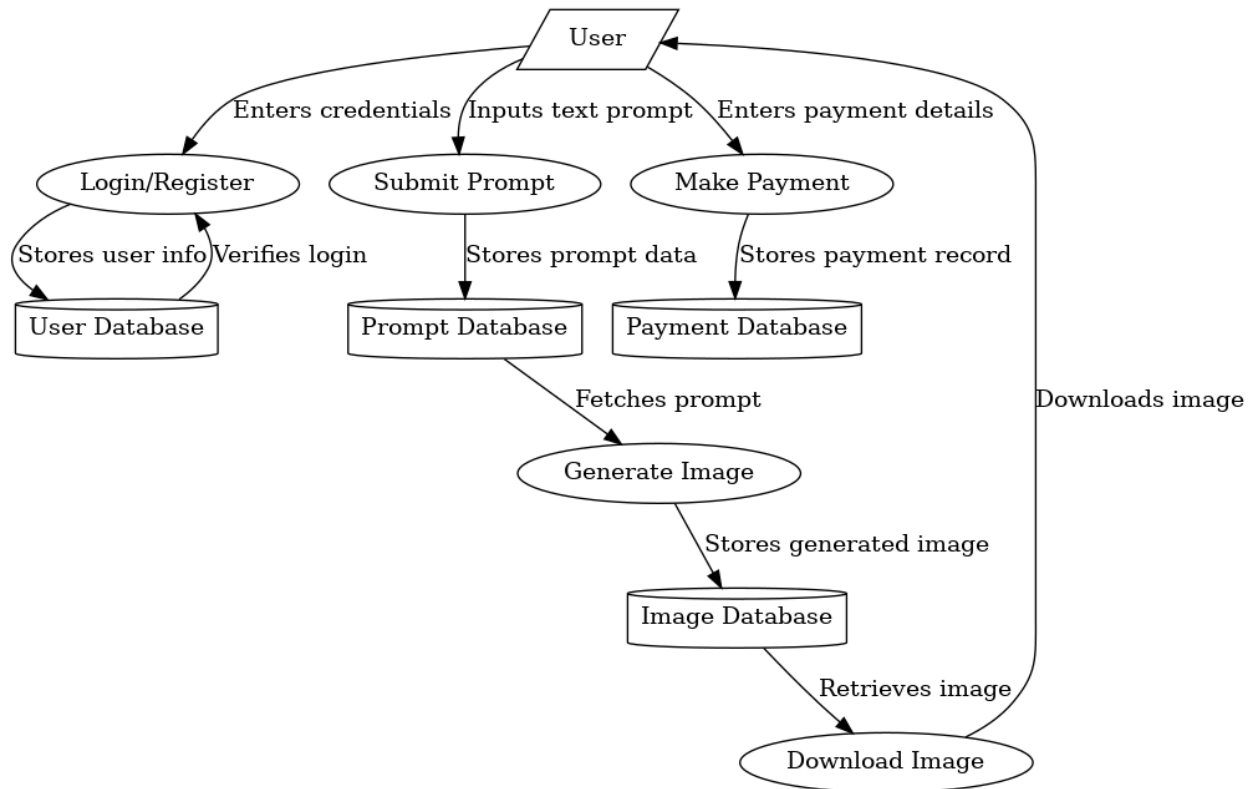
Chapter 3: Analysis And Design

3.1: ER Diagram



ER Diagram For Text To Image Generator SaaS App

3.2: UML Diagram



DFD Level 1 for Text-to-Image Generator SaaS App

3.3: Data Dictionary

1. User Table

Field Name	Data Type	Constraints	Description
UserID	ObjectId (MongoDB)	Primary Key, Auto-generated	Unique identifier for each user
Name	String	Not Null	Full name of user
Email	String	Unique, Not Null	User's email address used for login
Password	String (Hashed)	Not Null	User's encrypted password

2. Payment Table

Field Name	Data Type	Constraints	Description
PaymentID	ObjectId (MongoDB)	Primary Key, Auto-generated	Unique identifier for each payment transaction
UserID	ObjectId	Foreign Key (UserID)	ID of the user making the payment
Amount	Float	Not Null	Amount paid by the user
PaymentDate	DateTime	Auto-generated	Date & time of payment