Name: Muzammil Ahmed

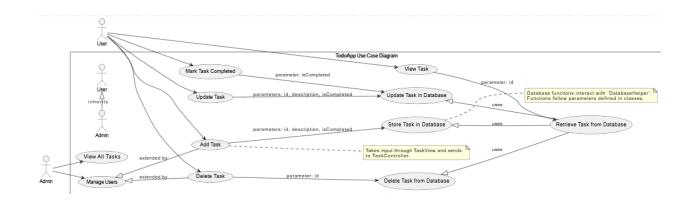
FA22-BSE-038

Topic: Todo App(Add task)

<u>To</u>

Sir Mukhtair Zamin

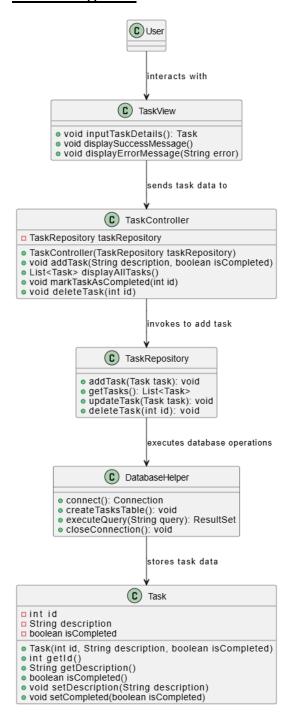
Use Case Diagram:



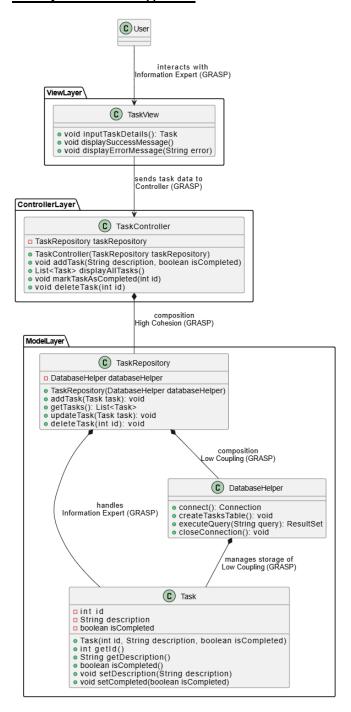
Fully dress USECASE Diagram(Add task):

Extensions (Alternate Flows)	 5a. Invalid Task Details: 1. If the task description is empty or invalid, the system prompts the user to enter valid data. 2. User re-enters the details. 3. Returns to step 4 in the main success scenario.
	 8a. Database Connection Error: 1. If there is an issue connecting to the database, the system displays an error message. 2. System logs the error for further review by admins. 3. Ends the use case with an error message to the user.
Special Requirements	 Task description should be between 1 and 255 characters. Task completion status should be a boolean (true or false).
Technology and Data Variations List	- Database: SQLite or alternative SQL database supporting CREATE TABLE, INSERT, and SELECT queries.
Frequency of Use	Frequently used by users to add tasks as part of their daily task tracking.
Assumptions	 Users are familiar with task management applications. Database connectivity is reliable during app use.
Open Issues	Consideration for possible task categories in the future.Future integration with notification services for task reminders.

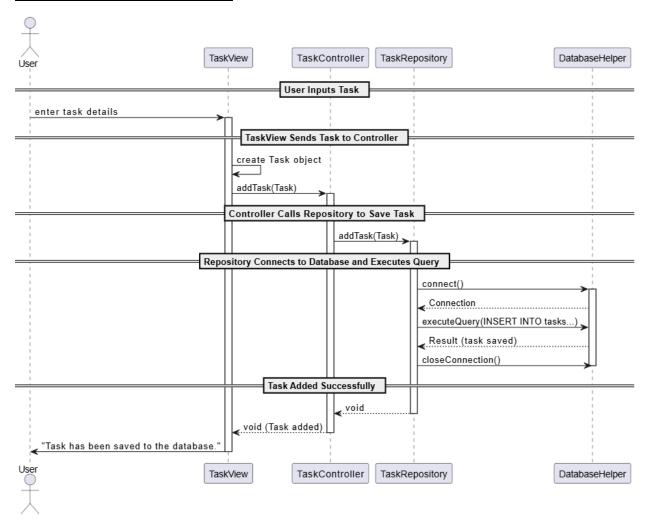
Class Diagram:



Composition Diagram:



System Sequence Diagram:



Package Diagram:

