Documentation of To-Do Application

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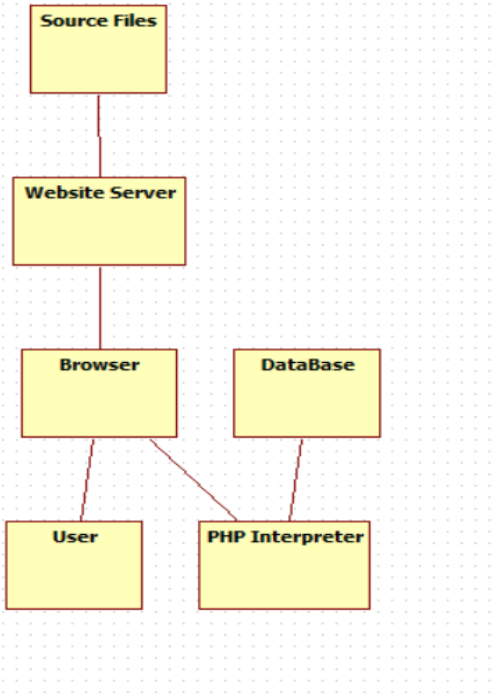
Functional Requirements

Users need to be able to (1) view tasks in the task list, (2) add tasks to task list,(3)delete tasks from task list.

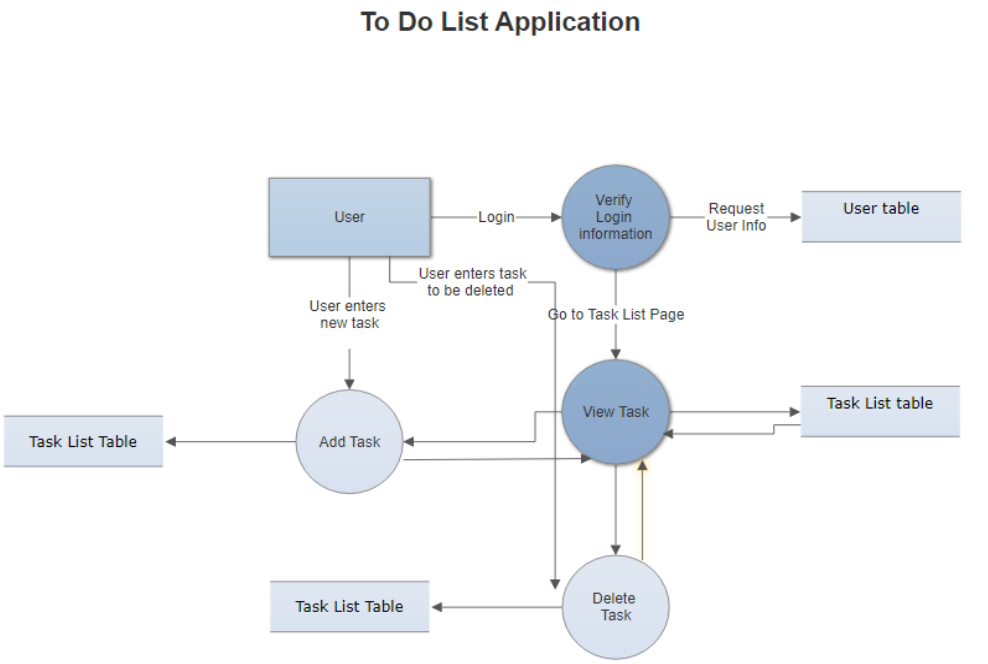
Non-Function Requirements

The website needs to have (1) Neat and easily readable design (2) Easy to use interface(3) Fast performance.

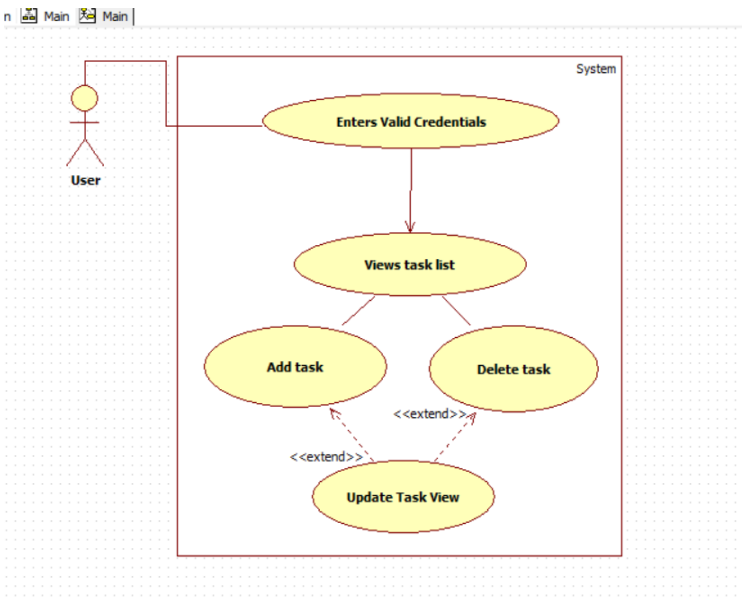
System Architecture Diagram

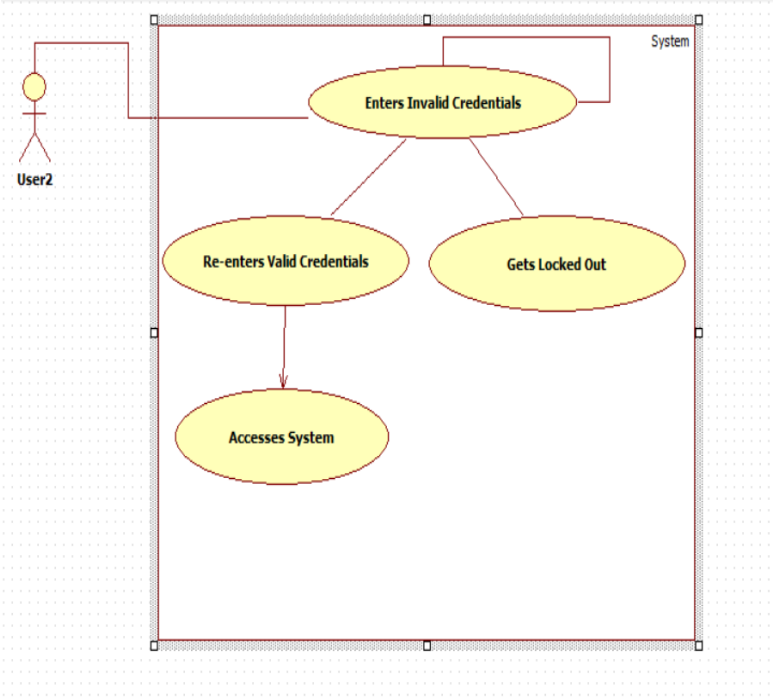


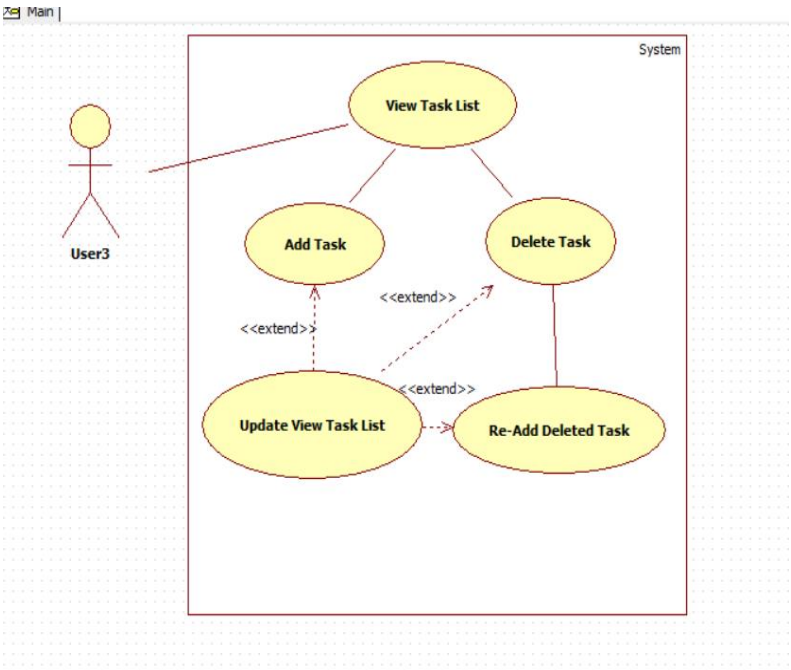
Data Flow Diagram



Use case

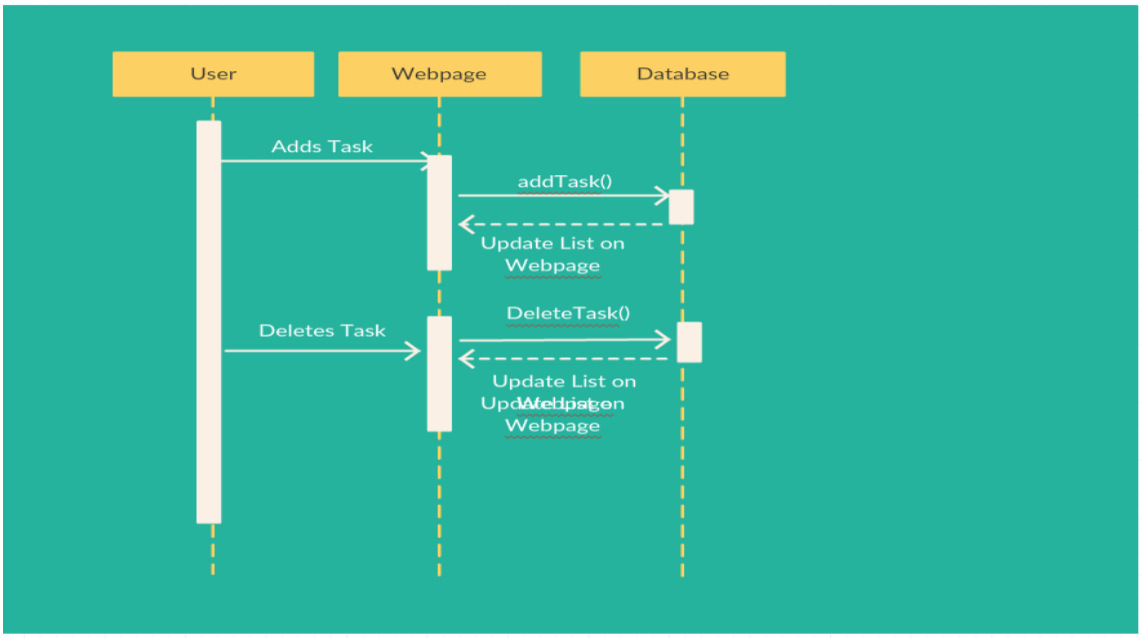


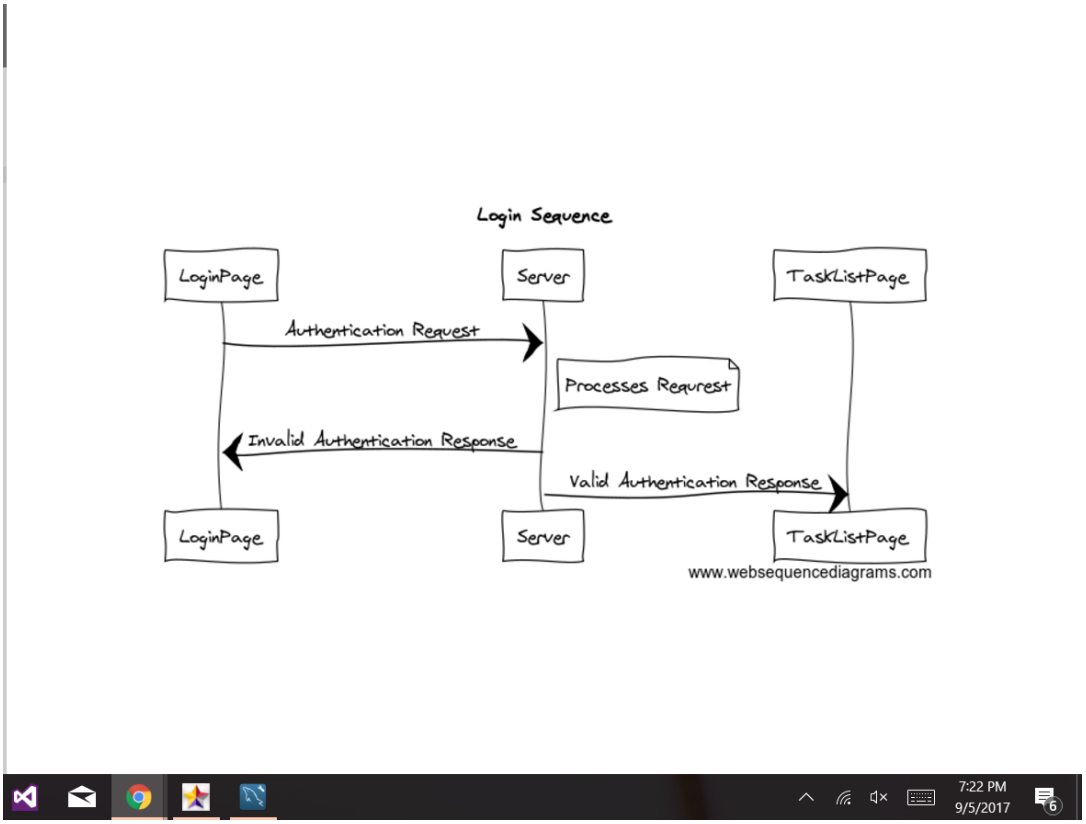

System
User2
Enters Invalid Credentials
Re-enters Valid Credentials
Gets Locked Out
Accesses System

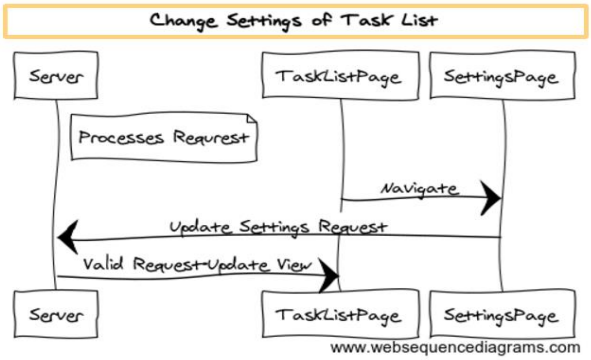

Main
System
User3
View Task List
Add Task
Delete Task
<<extend>>
<<extend>>
<<extend>>
Update View Task List
Re-Add Deleted Task

Sequence Diagram

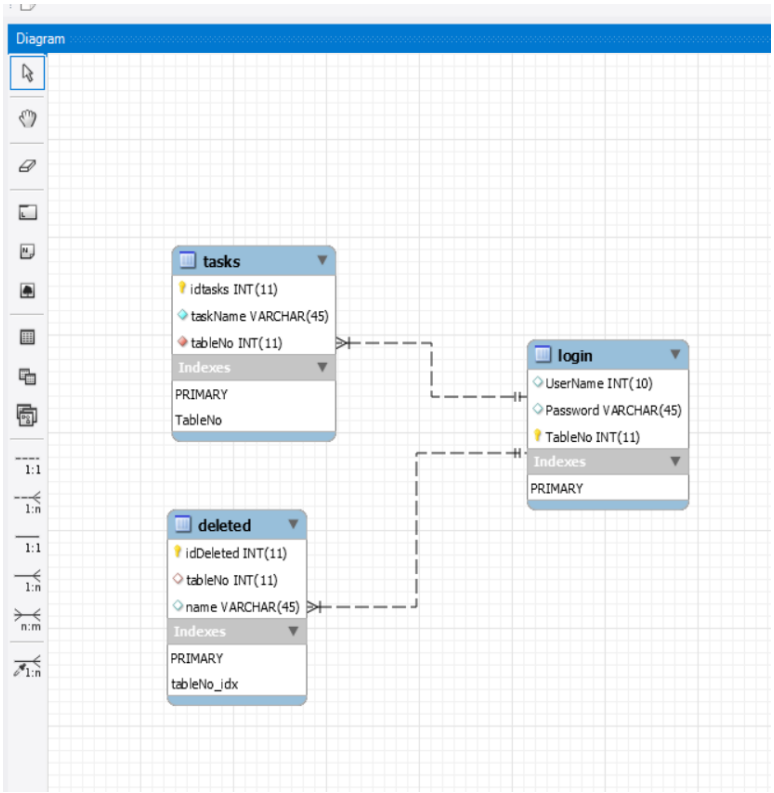
3 sequence diagrams



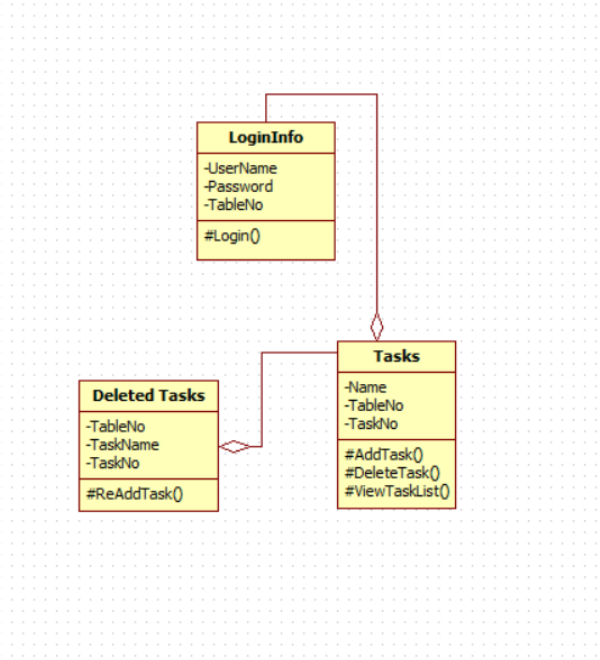




Database Design



Class diagram



Test Case

Scenario	Test Step	Expected Result	Actual Outcome
Verify the add functionality adds new task to list.	Type in new task name in the add task text box and click the Add Task submit button.	The new tasks name and id should be displayed at the bottom of the task list.	The new tasks name and id is displayed at the bottom of the task list.
Verify the delete functionality deletes valid task from list.	Type in an existing task id in the delete task text box and click the Add Task submit button.	The task name associated with the task id typed in should be deleted from the table.	The task name associated with the task id is deleted from the table.
Verify the user can view the task list at the proper time.	Add tasks to the table and the user should be able to view the table. Delete all tasks from list, the user should not be able to view the table.	If there are tasks in the table the user should be able to view the table, otherwise the table should be hidden.	When there are tasks in the table the user can view the table, otherwise the table is hidden.

Work Breakdown

Name of task	Est. No. Hours	Time Spent	Notes	Issues
Initial Scaffolding	1	.5		None
View Task	3	1		None
Add Task	3	1		None
Delete Task	3	2		Issues with the MySql query and validation was necessary
CSS	1	1		Issues with css not updating on site
Learn about the various diagrams/documentation	2	1		None
Function and nonfunctional requirements	1	.25		
Use case	1	.5		
System Architecture Diagram	.5	1		-Issue finding software to make diagram
Data Flow Diagram	1			
Sequence Diagram	1	.5		
Database Design	.5	.75		Problems with software to create diagram
Class diagram	.5	.3		
Test Case	1	.25		