Documentation of To-Do Application

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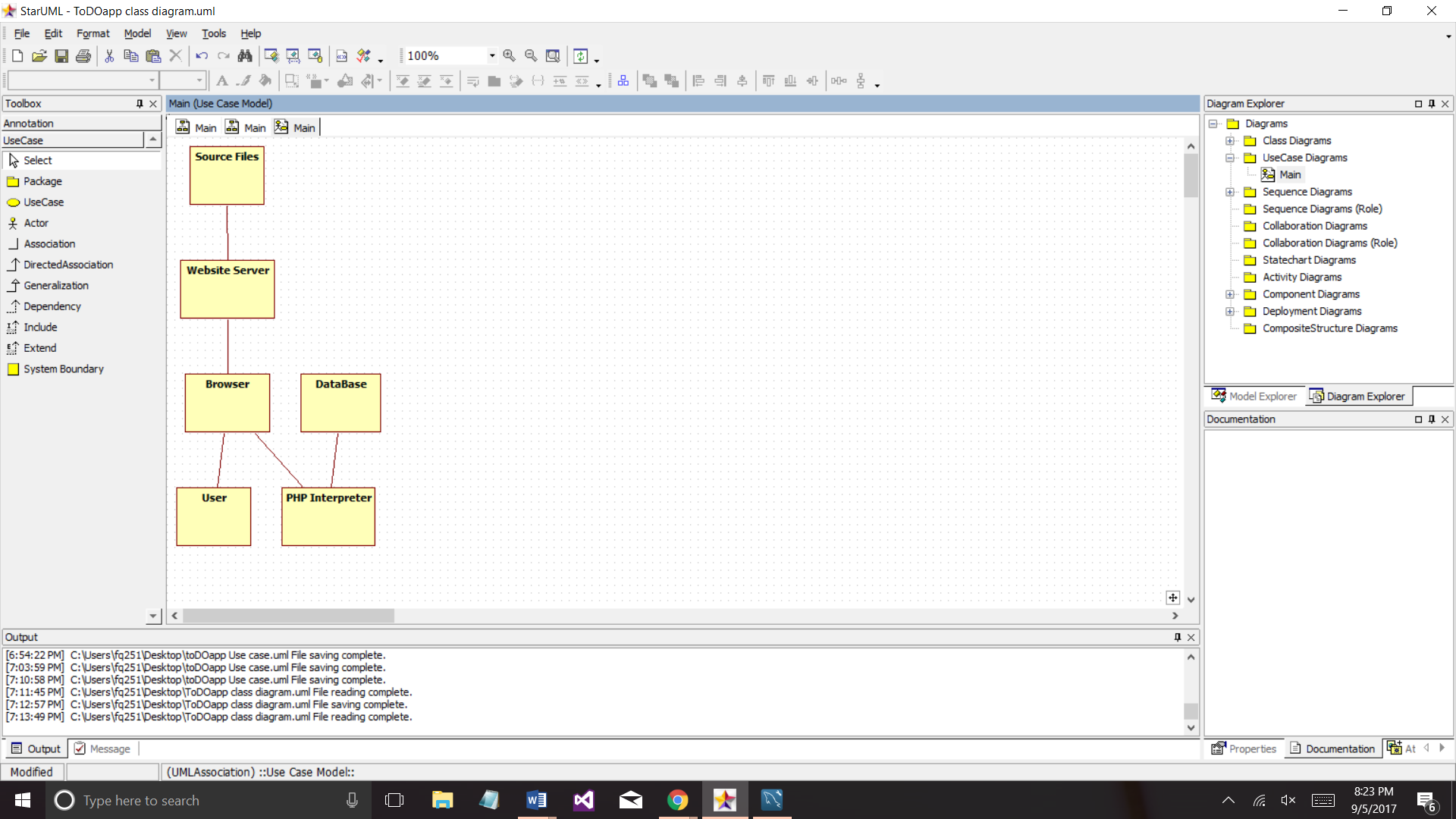
# Functional Requirements

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.

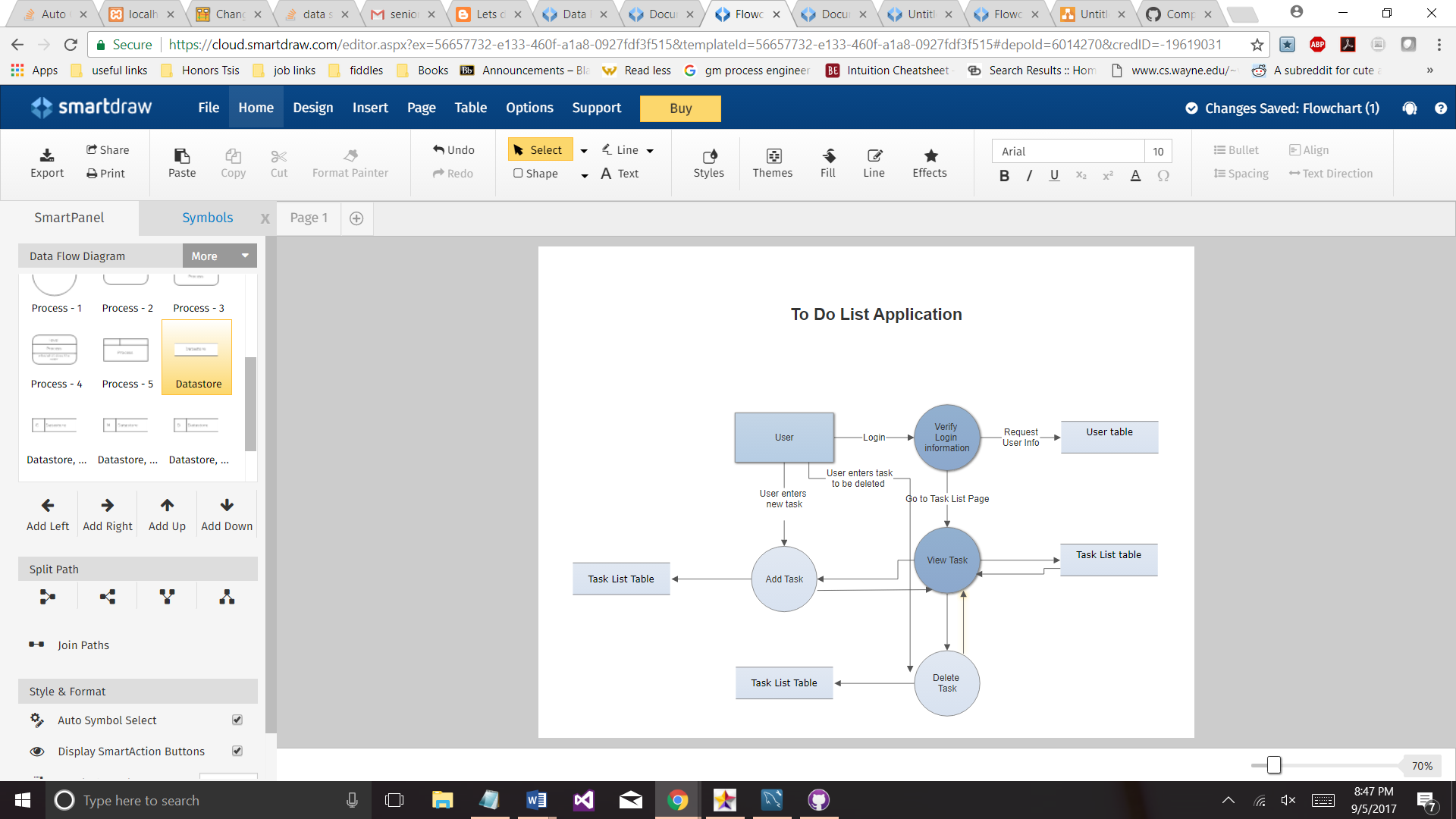
# Non-Function Requirements

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

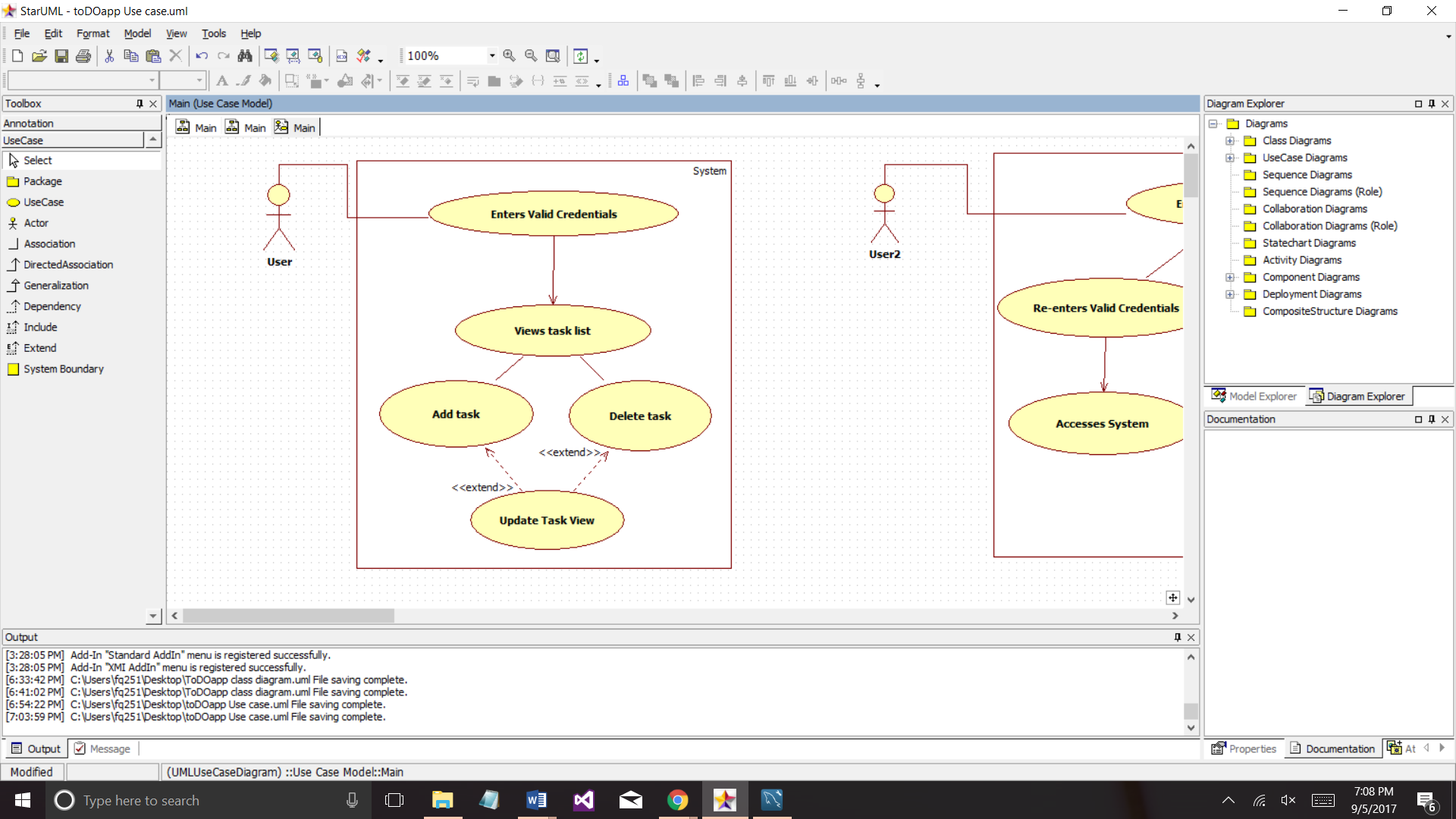
System Architecture Diagram

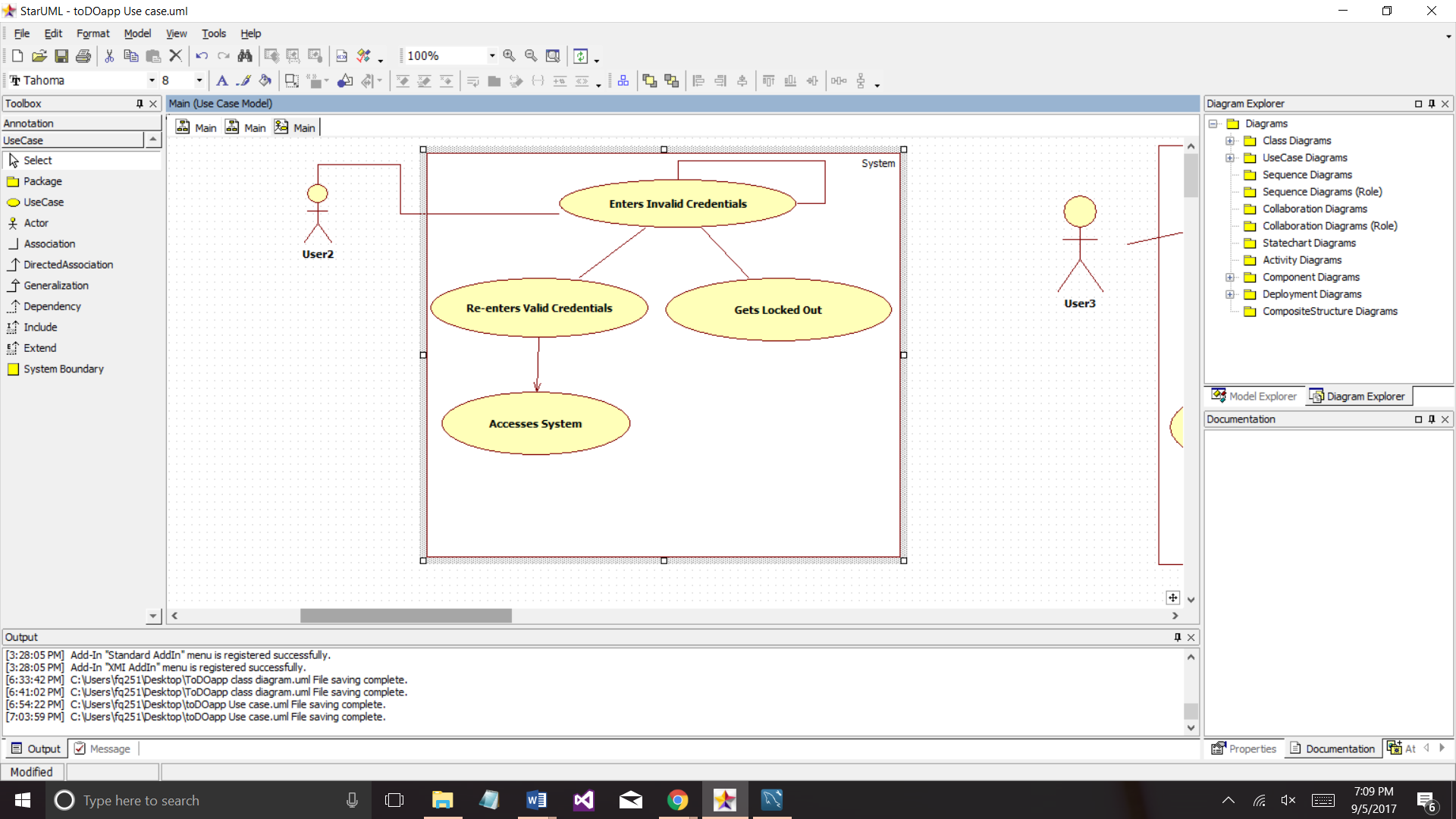


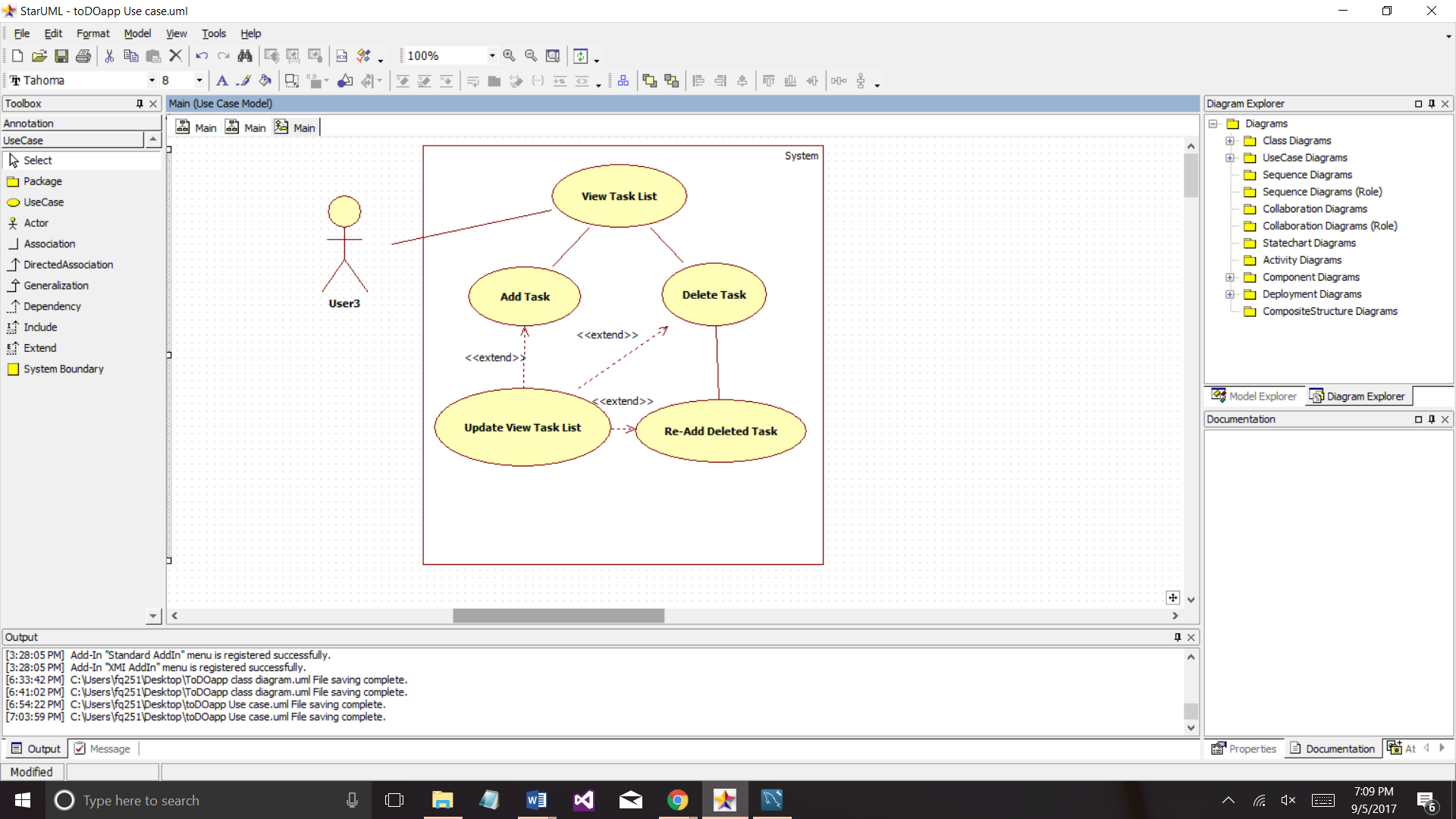
Data Flow Diagram



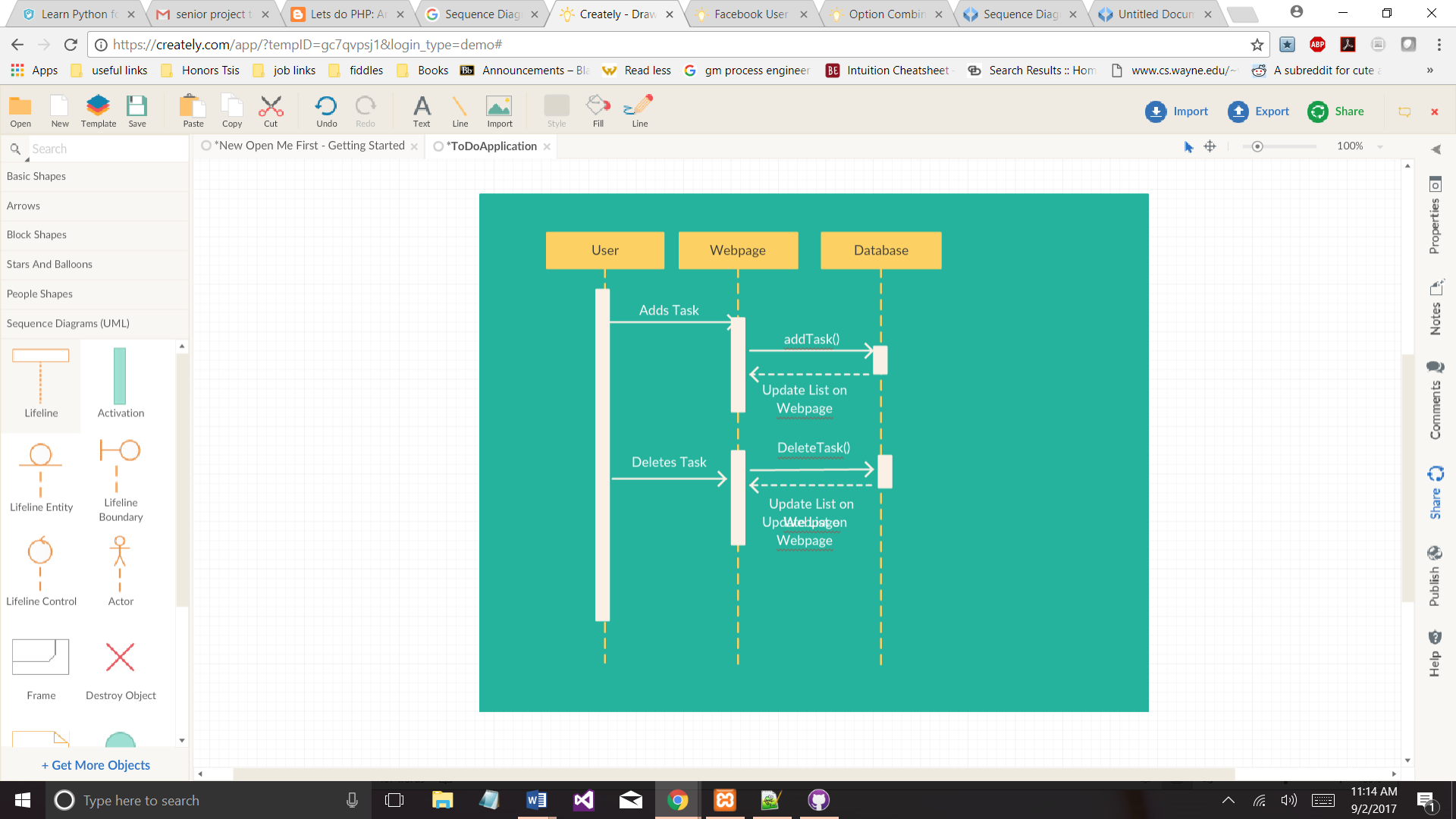
Use case

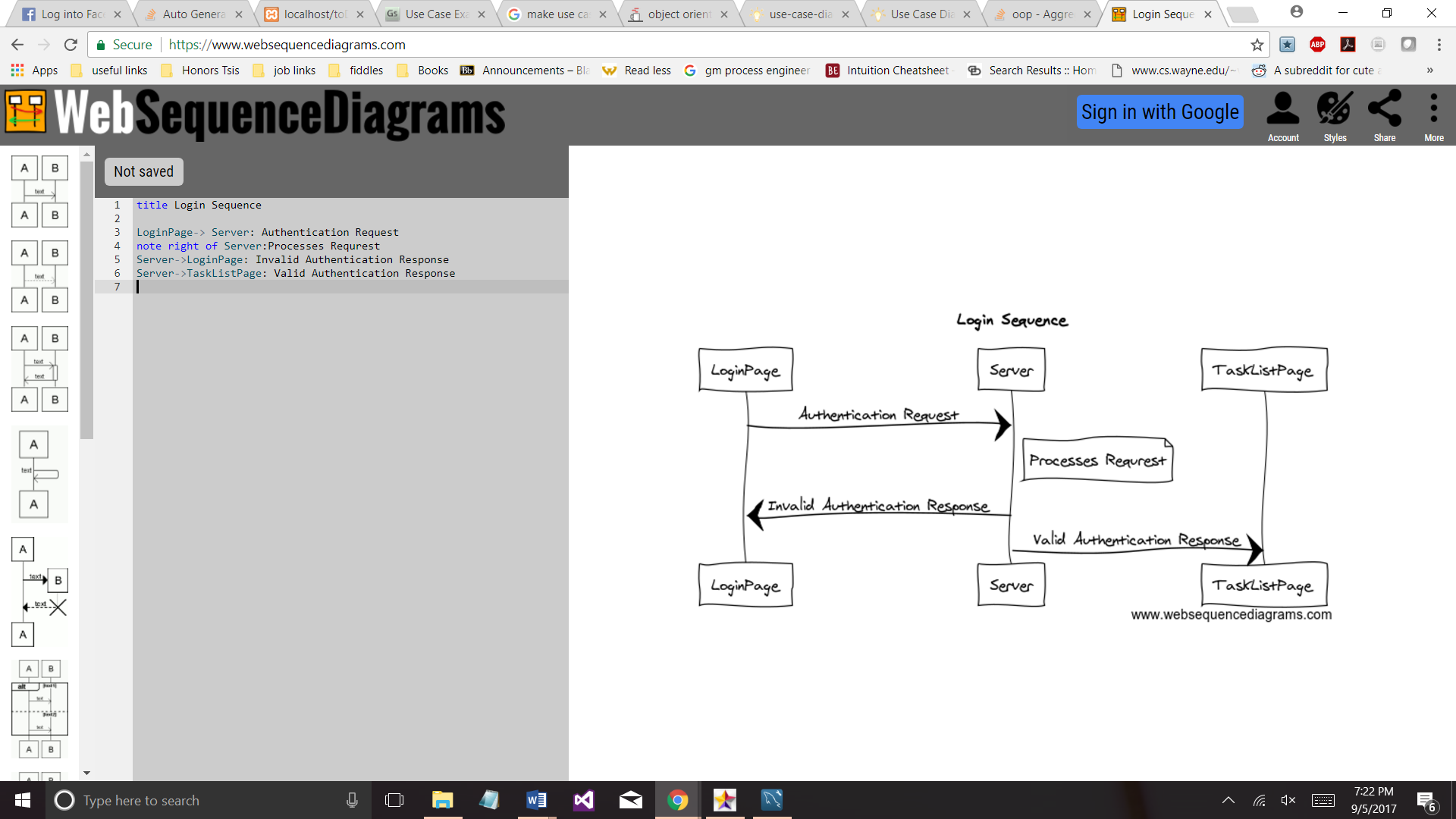


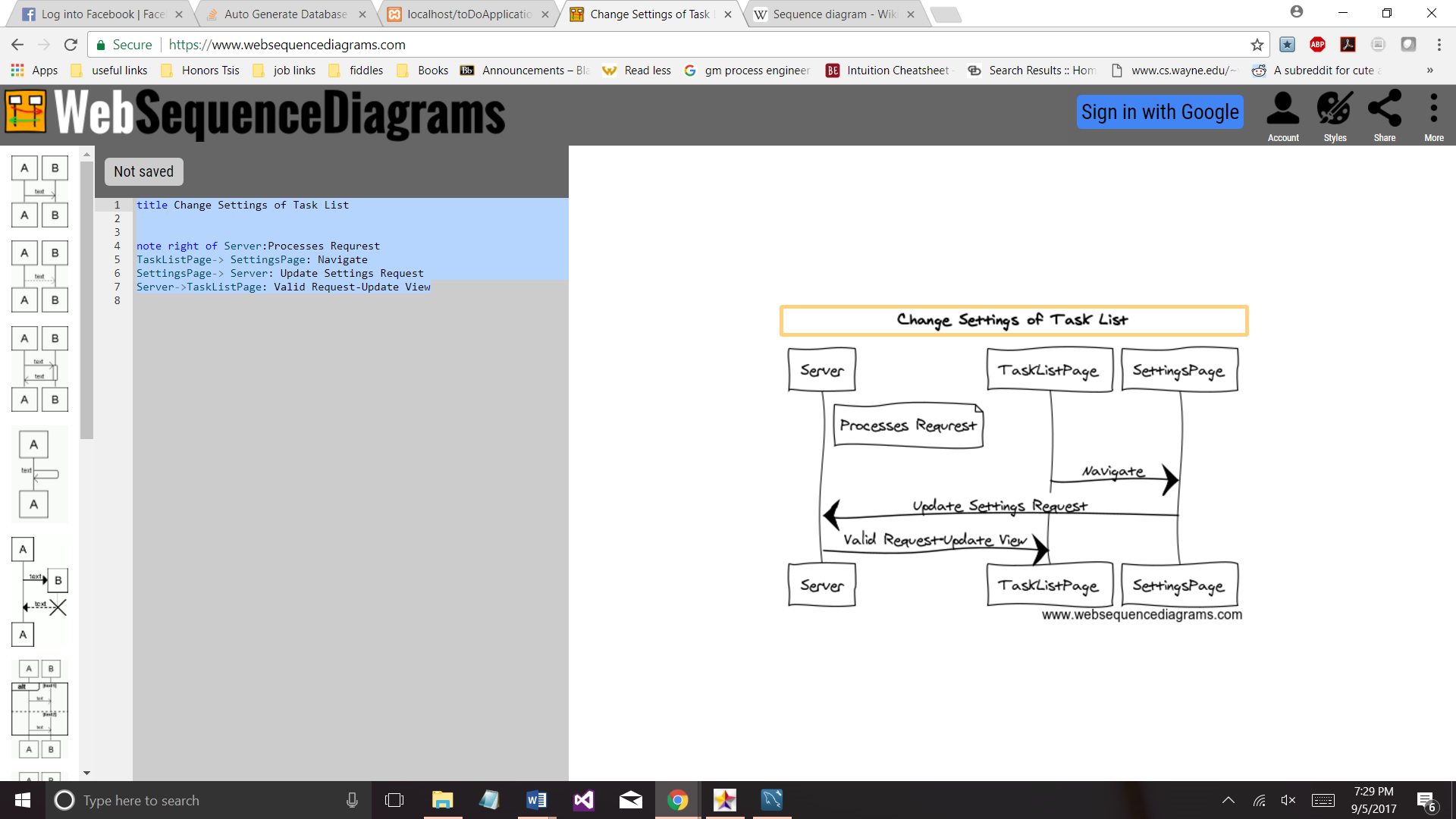




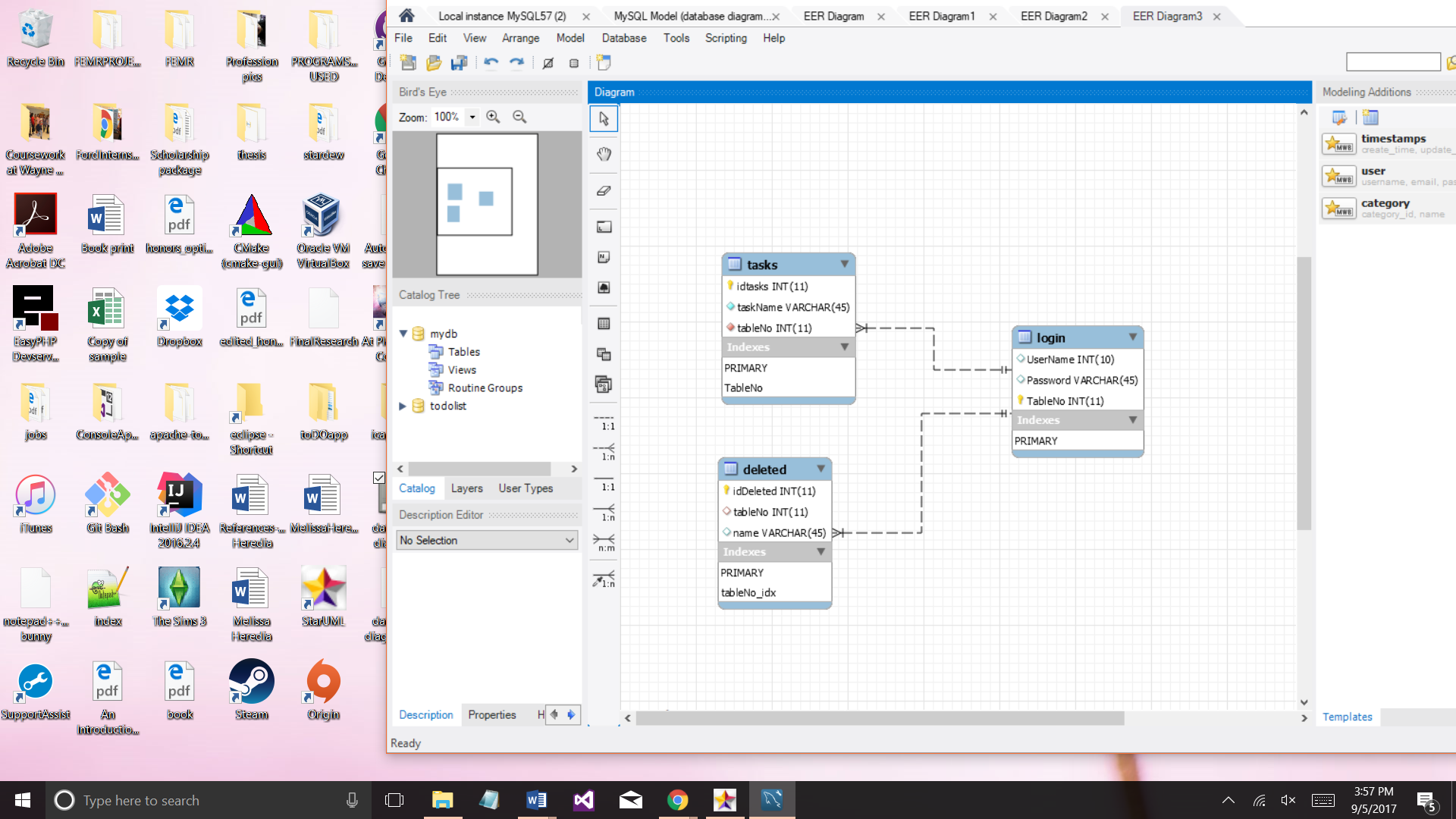
Sequence Diagram 3 sequence diagrams



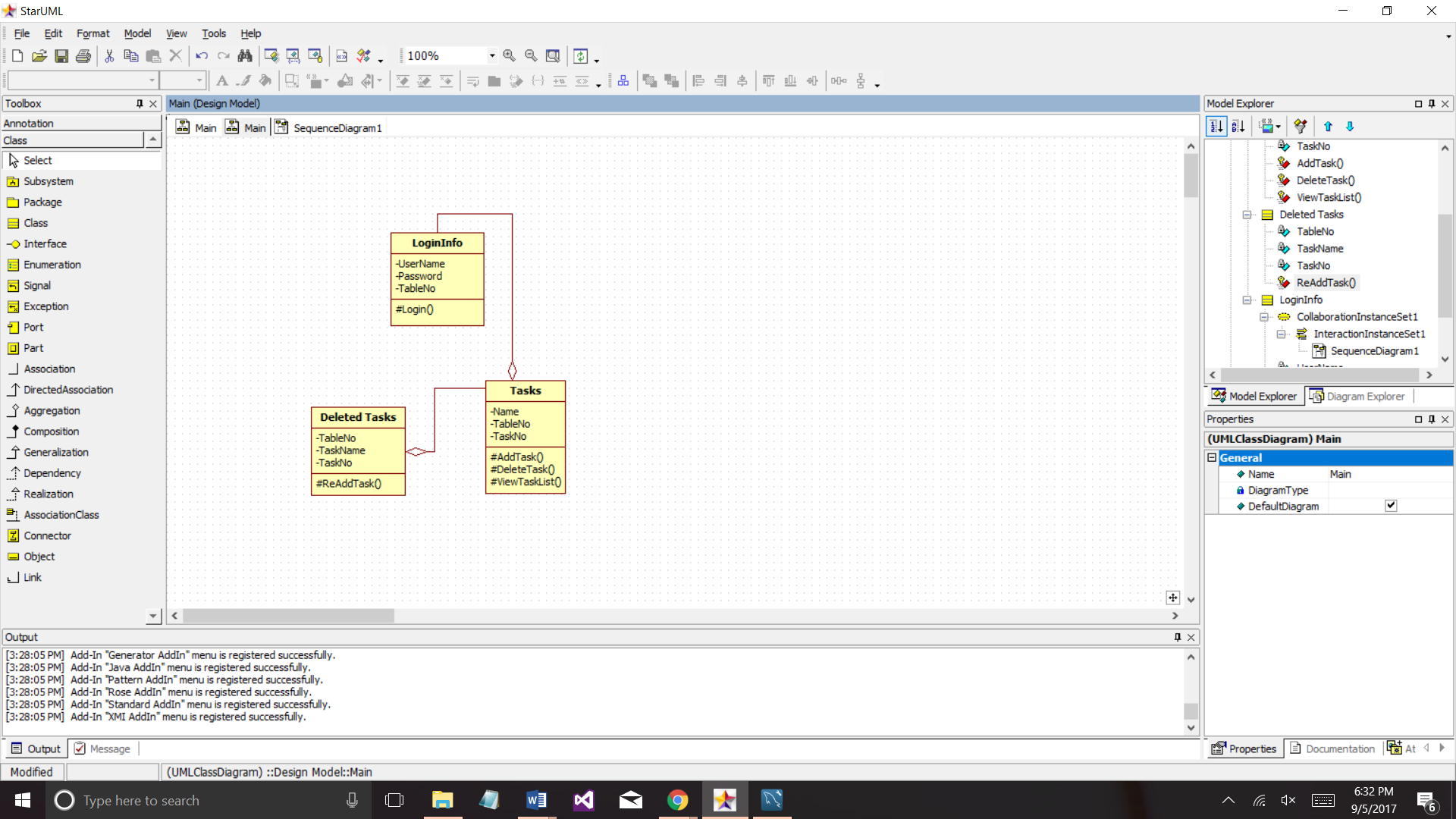




# Database Design



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 |  |  |