Work Break Down

- Name of Task: ToDo Application

- Estimated # of hours: 40

- Actual Time Spent:

- Notes: Using Wampserver64 3.0

- Issues:

Functional Requirements

- User can add tasks to list.

- User can remove tasks from list

- User can view all tasks

- User can assign a status to each task

- User can assign a due date to each task

- System displays the total number of tasks, as well as number of each status

- User can filter tasks by task status

Non-Functional Requirements

- Tasks will be entered into the application through a text form

- Tasks will be deleted by pressing a delete button associated with the specific task

- The system will display a list of all the user tasks

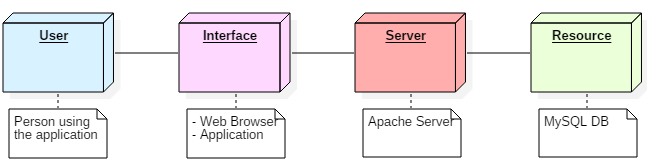
- Status will be associated with each task and can be changed through a drop down box

- Due dates will be assigned to each task through a text form associated to each task

- System will display a total number of tasks, as well as # of each status on a single line

- Clicking on a status count will open a new page displaying every task with that status

System Architecture Diagram



Data Flow Diagram

Use Cases

|  |  |  |
| --- | --- | --- |
| Name | Add task to list | |
| Description | The user can type a task into a form and when they press submit, the task is added to the task list. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen. | |
| Basic Flow | **Actor** | **System** |
| 1. The user types a task/text into a form at the top of the web page.  2. The user presses the submit button. | 3. The system stores the text from the form into the database.  4. The system retrieves the information from the database.  5. The system displays the database contents as a list on the main web page. |
| Alternate Flow |  | |
| Post-condition(s) |  | |
| Conclusion | This use case concludes after the user has entered the task and the system has displayed the task in the list. | |
| Notes |  | |

|  |  |  |
| --- | --- | --- |
| Name | Delete task from list | |
| Description | The user can remove a task from the list by pressing the delete button associated with the individual task. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen.  2. There must already be tasks in the list. | |
| Basic Flow | **Actor** | **System** |
| 1. The user selects the task that they want to remove from the list.  2. The user clicks the delete button associated with that task. | 3. The system removes the selected task from the database.  4. The system retrieves the remaining items in database.  5. The system displays these items as tasks on the main web page. |
| Alternate Flow |  | |
| Post-condition(s) |  | |
| Conclusion | This use case concludes when the task selected by the user has been successfully removed from the list. | |
| Notes |  | |

|  |  |  |
| --- | --- | --- |
| Name | View all tasks | |
| Description | The user can view all tasks that have been entered into the application. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen. | |
| Basic Flow | **Actor** | **System** |
|  | 1. The system retrieves the items in the database.  2. The system displays these items as a list on the main web page. |
| Alternate Flow |  | |
| Post-conditions |  | |
| Conclusion | This use case concludes when all of the items in the database are being displayed on the main web page. | |
| Notes |  | |

|  |  |  |
| --- | --- | --- |
| Name | Add status to task | |
| Description | The user can add a status to each task (i.e. Pending, Started, Completed, Late) through a drop down list associated with each task. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen.  2a. The user must be entering a new task.  ~~2b. The status may be changed if the task is already added to the list.~~ | |
| Basic Flow | **Actor** | **System** |
| 1. The user clicks the drop down menu, associated with each task.  2. The user selects a status from the list. | 3. The system enters the status value into the status table in the database. |
| Alternate Flow |  | |
| Post-condition(s) |  | |
| Conclusion | This use case concludes when the status has been added to the task and displayed on the main page. | |
| Notes |  | |

|  |  |  |
| --- | --- | --- |
| Name | Add due date to task | |
| Description | The user can type a task into a form and when they press submit, the task is added to the task list. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen.  2a. The user must be entering a new task.  ~~2b. The status may be changed if the task is already added to the list.~~ | |
| Basic Flow | **Actor** | **System** |
| 1. The user enters a date into a text form associated with each task.  2. The user submits the task. | 3. The system enters the date value into the date table in the database.  4. The system displays the task along with its due date. |
| Alternate Flow |  | |
| Post-condition(s) |  | |
| Conclusion | This use case concludes when the system displays the date that was entered for that specific task. | |
| Notes |  | |

|  |  |  |
| --- | --- | --- |
| Name | View tasks of similar status | |
| Description | The user can type a task into a form and when they press submit, the task is added to the task list. | |
| Actors | User | |
| Pre-condition(s) | 1. The user must have the application running and at the home screen.  2. There must be tasks with status’s already added to the list. | |
| Basic Flow | **Actor** | **System** |
| 1. The user clicks the status counter at the bottom of the screen for the status that they want to view. | 2. The system opens a new browser window.  3. The system displays all tasks with the selected status. |
| Alternate Flow | N/A | |
| Post-condition(s) |  | |
| Conclusion | This use case concludes when the user exits the filter window and is brought back to the main page, or closes the application. | |
| Notes |  | |

Sequence Diagrams

Database Design Diagram

Class Diagrams

Test Cases

|  |  |
| --- | --- |
| Name |  |
| Description |  |
| Steps |  |
| Outcome |  |
| Notes |  |