**TODO APP**

For this application, we were given the task of implementing a simple todo list. This application should be able to add tasks, view tasks, and delete tasks. There are also lists a status of tasks and each due date. There should be a main page with the total tasks in the current system. Below is the documentation for the application.

**Function Requirements Required**

1. Website must connect with the WAMP server as soon as the user opens up the page
2. Insert, delete, and view tasks must be able to connect and work with the server properly
3. The total tasks and status requests from the user must update and be displayed properly on the web page when prompted.

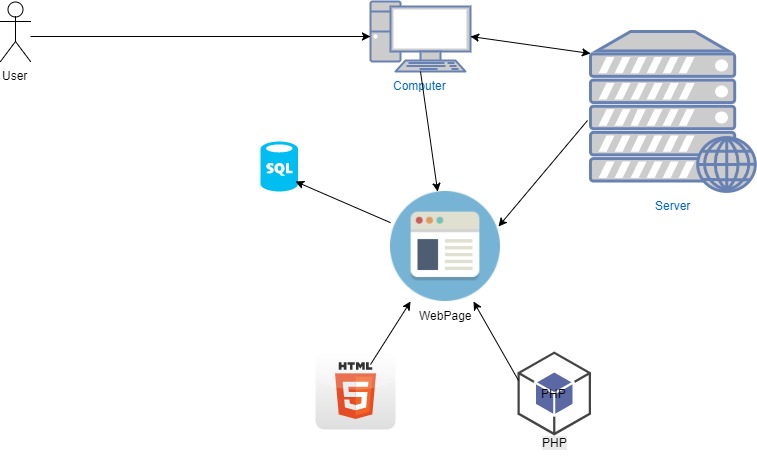
**Function Requirements Desired**

1. Instead of each task providing the user with its status, due date, etc. It is important to have other factors to consider, for example, a task name, task description, task plan, etc.
2. The web page must be easy to view, use, and navigate throughout.
3. All buttons must be working properly.

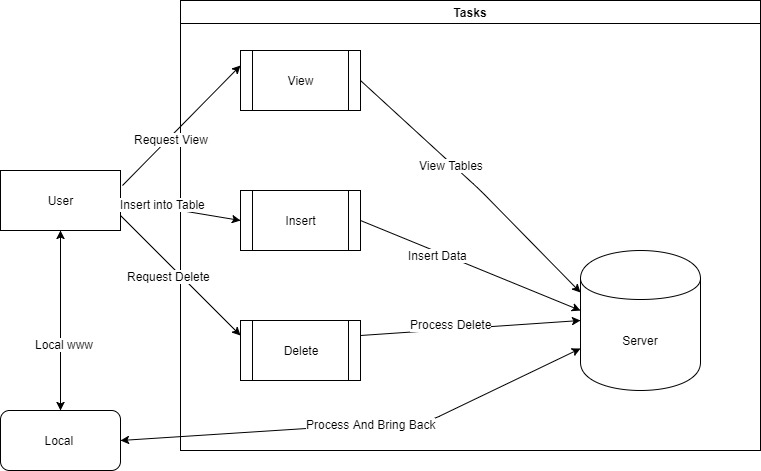
**Non-Functional Requirements**

1. Web page should be able to work with different types of web browser and mobile devices.
2. Clear and precise easy-of-use for the user. A good ToDo App must be so good that the user actually wants to use it again.
3. To get the queries
4. Quick response from the application
5. Security
6. No issues i.e. to be a reliable resource that the use can use in the future. The user should not have to worry about losing their data.

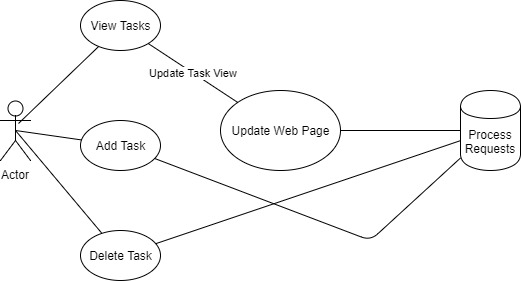
**System Architecture Diagram**



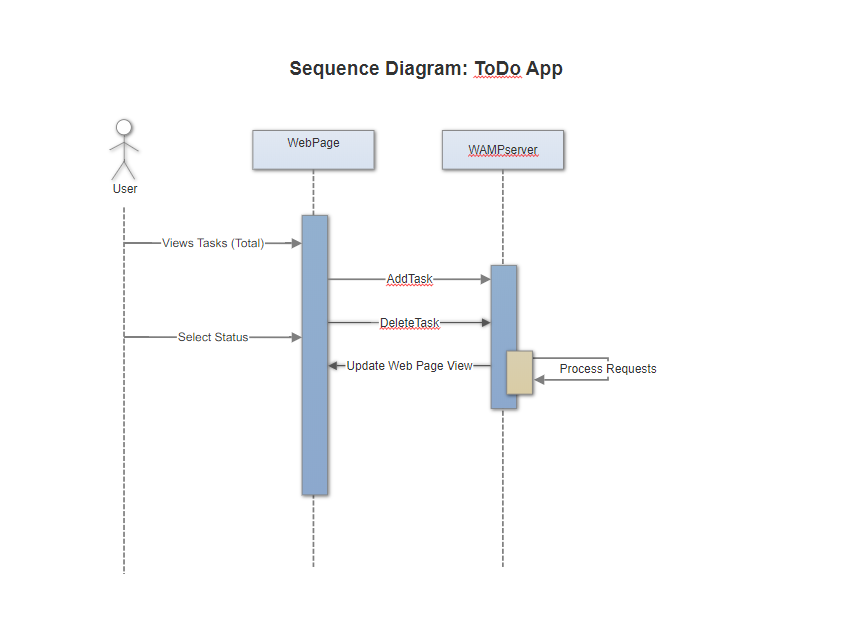
**Data Flow Diagram**



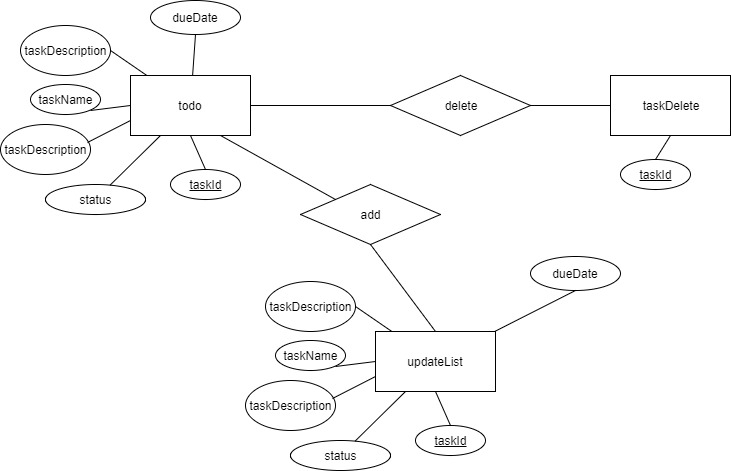
**Use case**



**Sequence Diagram**



**Database Design/Diagram**



**Class Diagram**

****

**Test Case**

1. Upon opening the Web Page, it should be able to properly connect to the WAMP Server and create the DB. There should not be any errors.
2. Inserting values from the HTML form and having them appear into the localhost/phpMyAdmin.
3. Deleting values from the tables without any errors
4. When inserting values, my tables were duplicating values
   1. Reason: There were two insert tables performing the same function
5. When opening up the main page, the view total tasks properly shows up and list the most recently updated tasks.

**ToDo App Work Breakdown**

**Name of the task:** Create github repository and make first commit

**Estimated No of hours:** .2 hrs

**Actual time spent:** <.2hrs

**Notes:** Getting the first commit was interesting because I have not used github before.

**Issues:** Figuring out if the [4996WSU@gmail.com](mailto:4996WSU@gmail.com) was the correct email for adding to the repository. They have not verified it as of 1/13/2018.

**Name of the task:** Download and install Wamp Server

**Estimated No of hours:** .5 hrs

**Actual time spent:** .5 hrs

**Notes:** I am a novice at using WAMP server, but luckily it is easy to learn

**Issues:** Had to uninstall and reinstall one time because it would connect properly with local host

**Name of the task:**  Installing bash to incorporate github commits

**Estimated No of hours:** 10mins

**Actual time spent:** <10 mins

**Notes:** I have never used bash before

**Issues:**  I had to update my knowledge about git commands and how the basic commands work

**Name of the task:** Installing PHPStorm

**Estimated No of hours:** 20 mins

**Actual time spent:** <10 mins

**Notes:** First time using this program. I works very nicely with editing code

**Issues:** Figuring out PhpStorm was a viable program.

**Name of the task:** Start designing a basic skeleton for HTML/CSS/ website to be used for the ToDoApp.

**Estimated No of hours:** 1.5 hrs

**Actual time spent:** 2-3hrs

**Notes:** Getting the skeleton ready to be incorporated with php and the Wamp server was relatively straight forward

**Issues:** getting the website primed to look good was a hassle because HTML is somewhat annoying to work with

**Name of the task:** Connecting the database server with the Html script

**Estimated No of hours:** <1hr

**Actual time spent:** 2 hrs writing and figuring out how to connect

**Notes:** Had a lot of reading how to do this

**Issues:** I had very little knowledge about how to connect the database to the website. It was very stressful. Handling the stress was the worst part.

**Name of the task:** Building forms and tables getting ready for the commands for the ToDoApp

**Estimated No of hours:** 1.5hrs

**Actual time spent:** 1hr

**Notes:** this was the easy part

**Issues:** none

**Name of the task:** Creating the db tables

**Estimated No of hours:** 1hr

**Actual time spent:** .5 hrs

**Notes:** had to brush up on this documentation as well

**Issues:** I have very little knowledge about what and how databases work. I am still learning. I need to find better sources or help to learn how to do this.

**Name of the task:** Creating and learning how to do the insertion function for php

**Estimated No of hours:** 1hr

**Actual time spent:** 5 hours +

**Notes:** This insertion part of the application took much time and reading

**Issues:** I still cannot figure out how to get this part done as of 1/13/2018… Done as of 5:14 1/14/2018

**Name of the task:** Creating the Delete Task for php

**Estimated No of hours:** 1hr

**Actual time spent:** 15hrs

**Notes:** After learning insertion basics, delete should be relatively straightforward. \*\*Correction\*\* it was not relatively straightforward.

**Issues:** I am unaware of how to do this. Steadily learning how to, it is the biggest problem.

**Name of the task:** Trying to get the total tasks to view on the main page

**Estimated No of hours:** 1hr

**Actual time spent:** Honestly… 12 hrs as of 4:10am 1/15/2018

**Notes:** WHAT A PLEASURABLE EXPERIENCE. I am honestly very excited about this semester and getting to work on the project.

**Issues:** Learning curve, learning curve**, LEARNING CURVE!!!**

**Name of the task:** Creating and Doing Documentation

**Estimated No of hours:** 1hr

**Actual time spent:** 5hrs

**Notes:** Most of the diagrams I have never had Experience with. Used Draw.io

**Issues:** Learning curve, learning curve, LEARNING CURVE.