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COMP2011 WEB APPLICATION DEVELOPMENT DESIGN DOCUMENT

I have chosen to put the entire to do list on one page as from my own personal experience where possible I prefer having everything neatly put on one web page. The divisions are as follows: pending tasks left aligned, completed tasks right aligned and a fixed division for adding a new task. Both pending and completed tasks' divisions are sorted in order of entry going down as one would enter what's urgent first. I tried making it as simple as possible as again from personal experience one just wants to read what they have to do and get right to it.

I used SQLite database models as they have light framework and organised my columns as per each required part of a task according to the task specification. SQLite also allows for easier manipulation of database models.

I also used one homepage template so that whatever values I change in the views.py or task.html files, the page structure doesn't change.

I found it easier to use 'request' and 'url\_for' features as it allows me to have fewer definitions in the views.py file thus simpler definition with the same functionalities. The redirect function also helps as once a task is added you still end up on the homepage.

Testing and debugging were particularly important as coding is always prone to errors and at the first implementations there were several errors of all kinds from parsing errors to attribute errors and the database not building. I had to tear the website down and build from the ground again only to discover my previous mistake was not initializing the first migration. I went further on to test my website on various browsers, that is Chrome, Safari, Bing, Firefox and Microsoft Edge and all functionalities fully appear as desired.

For security I implemented a Cross site request forgery key so that the correct data in the correct format is inputted.

Accessibility could be included by making a fully functional all platform to do list as at the beginning my file would run on some but not all browsers.

On the next page is the wireframe model:

Head

Body Text

Pending  
Tasks List

Completed  
Task List

Add Task  
Class