

# Mid Assignment Write-up

## Use Cases

### List

This will be the homepage of the application. A list of all tasks will be shown with their own Description (show only first few lines if too long), Deadline and Tags.

### Add

This option creates a new task. It consists of four components: Task, Description, Deadline and Tags. The Task has to be filled by the user whereas others are optional.

### Read

This option is a button on the homepage after each task. Details of a particular task will be presented.

### Update

This option is a button on the homepage after each task. The user can change any of the components and save them.

### Delete

This option is a button on the homepage after each task. The user can permanently delete a particular task.

### Search

This option is on the homepage. Tasks can be searched using names or tags.

## **Execution Plan**

The todo list App will be built primarily using MVC framework and Ruby on Rails (both back-end and front-end), with HTML and CSS (possibly Bootstrap) to improve the UI design. If possible, front-end frameworks such as AngularJS will be added later to achieved more advanced functionalities such as AJAX. So far I have spent my entire December to learn most of the Ruby language and RubyonRails Guides. I plan to learn more about other areas of web development such as HTML, CSS, front-end frameworks and possibly SQL in January.