

## CVWO Mid-Assignment Submission

### Thoughts on accomplishments

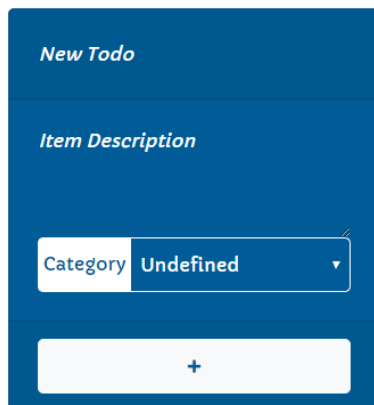
Through the assignment, I've come familiarize myself with Ruby and the Rails framework. From being frustrated by not fully understanding the usage of Ruby on Rails at the start, to calmly searching for a fix when encountering errors. Having dealt with MVC structures before helps a lot with the assignment, allowing me to pick up the usage more easily. However, I felt that I did not make full use of relational databases to perform my CRUD requests. Instead of making use of the foreign key created in the database, I performed manual look-ups for records in my controller. The UI design can also have some improvements, as I made use of bootstrap which made the app common-looking. I've implemented a simple AJAX request for editing category, which I feel can extend to editing todo items for a more intuitive UI. Nevertheless, the assignment was an enriching experience which introduced me to Ruby on Rails.

### Possible future amendments

- Make use of relational database for more efficient CRUD
- Change of one-to-many relation to many-to-many relation for todos and categories
- Additional features such as deadline, reminders, color-coding, sorting etc.
- More AJAX to keep frontend more intuitive
- Better UI design

### User manual

#### Adding todo



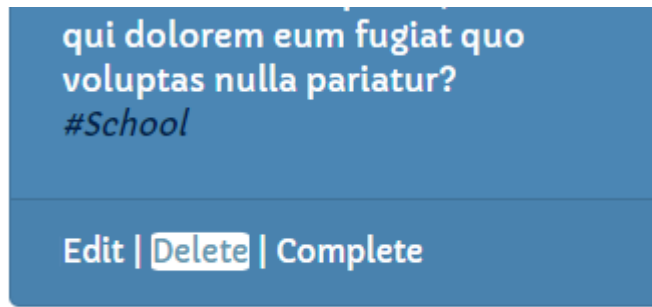
Enter todo item and description into the form.

Select a category.

Click '+' to add.

### Delete todo items

Click 'Delete' at the bottom of the todo item card.



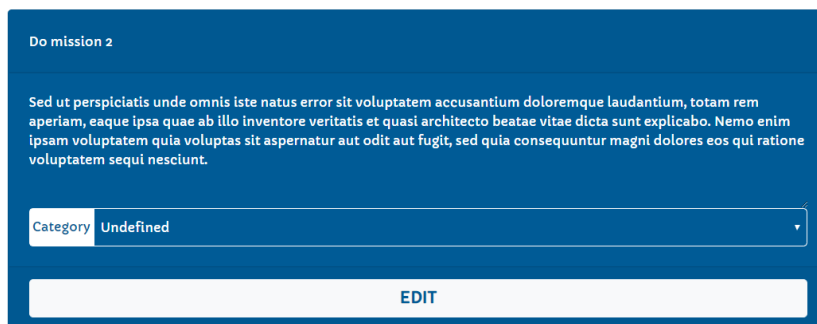
Select 'Yes' when a confirmation alert pops up.

### Edit todo items

Click 'Edit' at the bottom of the todo item card.

Browser is directed to an edit page.

## Edit Todo

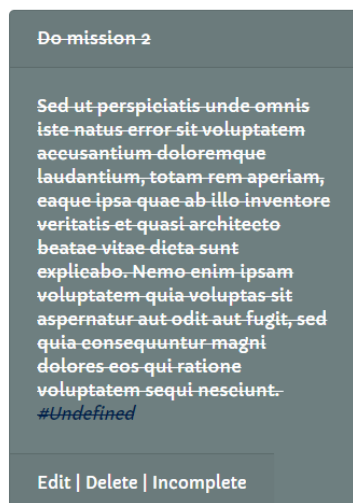


Change the necessary details and click 'EDIT'.

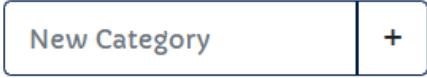
### Mark todo as complete

Click 'Complete' at the bottom of todo item card.

Todo item will be greyed out.



### Adding category

Enter a category name and click '+'.  


### Editing category

Click the 'Edit' button beside the category name.

The category name becomes editable.

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Edit the category name and click 'Edit' to update the category.

Click anywhere else to make category uneditable again.

### Delete category

Click the 'Delete' button beside the category name.

Select 'Yes' when a confirmation alert pops up.