

Project: Todo Manager
Functional Specifications
Reference: TDM001
Version 1.0

Introduction

This functional specification covers the essential functions which will be covered in making a 'Todo Manager' which will be developed using Ruby on Rails.

Required functions:

- Create new task
- Display existing tasks
- Modify task
- Delete task
- Task categorisation

Optional functions:

- TBD

Details

Display existing tasks

The default screen should display all the previously created tasks, with options to edit or delete the tasks. There should also be a link to a form to create a new task. Another option for every task is to mark it as completed.

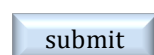
Task Title	Description	Start Date	Due Date	End Date	Status	Priority	Category	Operation
xx	xx	xx	xx	xx	xx	xx	xx	Edit/delete
yy	yy	yy	yy	yy	yy	yy	yy	Edit/delete

[Create new task](#)

Create new task

Once the create new task hyperlink is clicked, it will display the below screen. The user has to fill up this form and press submit in order to create a new task.

Task Title	
Description	
Start Date	today
Due Date	
End Date	
Status	Not Started
Priority	Normal
Category	xx



Particulars	Description	Valid Values	Size	Default values
Task Title	Title of the Task	Alphanumeric	50 characters	Null

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Description	Detailed description of the task	Alphanumeric	200 characters	Null
Start Date	Date started	Any valid date >= today Appropriate error messages displayed for invalid entry		Today
Due Date	Date task is due	Any valid date >= today Appropriate error messages displayed for invalid entry		Null
End Date	Actual completion date	Any valid date >= today Appropriate error messages displayed for invalid entry		Null
Status	State at which task is at the moment	Drop-down menu 1. Not started 2. In progress 3. Completed 4. Deferred 5. Waiting on others		Not started
Priority	Urgency of the task	Drop-down menu 1. Normal 2. High 3. Low		Normal
Category		Drop-down menu 1. (blank) 2. red 3. blue 4. green 5. purple 6. orange		

Modify task

Task Title	xx
Description	xxx
Start Date	today
Due Date	xx
End Date	xx
Status	Not Started
Priority	Normal
Category	xx



In the edit screen, all previously entered data for this task must be populated into the relevant editable fields. After clicking save, the user is taken back to the display screen.

Delete task

Once delete is pressed, the system should ask for confirmation. Once confirmed, the task shall be removed from the list and the list should be refreshed. Once the delete is cancelled, the system should not make changes and return back to the display screen.

Task categorisation

In order to easily filter the task, each task has a colour-coding tag. Using this, users can group related tasks together to be viewed.

- (blank)
- red
- blue
- green
- purple
- orange

There could also be an option to sort the tasks by either the starting or deadline timestamps, filter by completion status, priority, due this week etc.

Current Progress and Issues

The create new task form has been created with all the fields. However, there is an issue with saving the completed form to the database.

The listing of the tasks is also complete. Sample data was loaded into the database using the seeds.rb file. There was a data type mismatch in the drop down menu items (Status, Priority and Category) when creating sample tasks, which means that when the list of tasks is viewed, only the memory address of those items are visible instead of the name of the items.