

Perquisites –

- NPM is required on the system to run the apps
- Back End to run on – 'localhost:3030' else please update the FrontEnd/ToDo/App.js with appropriate endpoint
- For database I have used SqlLite and the file is at the location – src/Backend/to_do_app.sqlite

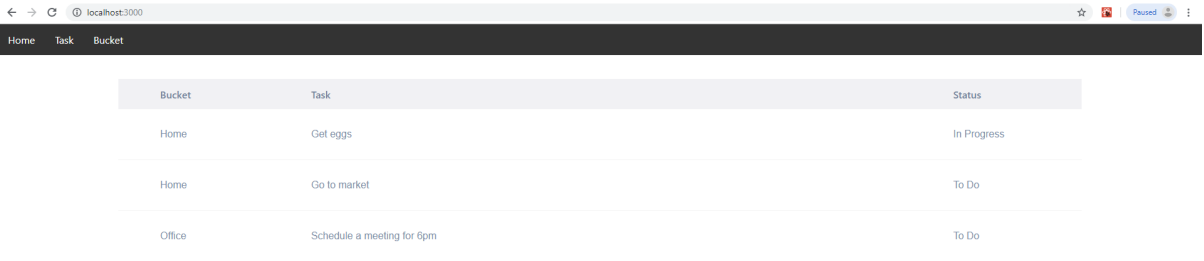
Table Structure –

```
Task Table – CREATE TABLE `task` (  
    `id` INTEGER PRIMARY KEY AUTOINCREMENT,  
    `Text` TEXT,  
    `bucket_id` integer,  
    `status` TEXT,  
    `is_active` boolean,  
    `createdAt` datetime,  
    `updatedAt` datetime,  
    FOREIGN KEY (bucket_id) REFERENCES bucket(id) )
```

```
Bucket Table - CREATE TABLE `bucket` (  
    `id` INTEGER PRIMARY KEY AUTOINCREMENT,  
    `text` VARCHAR(255) NOT NULL,  
    `createdAt` DATETIME NOT NULL,  
    `updatedAt` DATETIME NOT NULL,  
    is_active boolean)
```

Following is the screens are there interpretation –

1) Home – All the task that are In Progress and To Do as show on this dashboard



The screenshot shows a web browser at localhost:3000. The navigation bar has links for Home, Task, and Bucket. The main content area displays a table with three columns: Bucket, Task, and Status. The table contains three rows of tasks.

Bucket	Task	Status
Home	Get eggs	In Progress
Home	Go to market	To Do
Office	Schedule a meeting for 6pm	To Do

2) Task – This dashboard shows all the task that are in In Progress, To Do or Done marked.



The screenshot shows a web browser at localhost:3000/task. The navigation bar has links for Home, Task, and Bucket. The main content area displays a table with five columns: Bucket, Task, Status, Edit, and Delete. There is a 'Create Task' button in the top right corner. The table contains four rows of tasks.

Bucket	Task	Status	Edit	Delete
Home	Get eggs	In Progress		
Home	Go to market	To Do		
Office	Schedule a meeting for 6pm	To Do		
Office	Book tickets	Done		

- a. Create Task button– To create new task by selecting (Note: No validations check are in place)

- i. A bucket from the drop down
- ii. Test box to input the task

localhost:3000/task

HomeTaskBucket

Create Task

Bucket	Task	Status	Edit	Delete
Home	Get eggs	In Progress		
Home	Go to market	To Do		
Office	Schedule a meeting for 6pm	To Do		
Office	Book tickets	Done		

Create Task

Bucket

Home

Task

Save

Close

- b. Edit button – To edit any information previous entered

localhost:3000/task

HomeTaskBucket

Create Task

Bucket	Task	Status	Edit	Delete
Home	Get eggs	In Progress		
Home	Go to market	To Do		
Office	Schedule a meeting for 6pm	To Do		
Office	Book tickets	Done		

Edit

Bucket

Home

Status

To Do

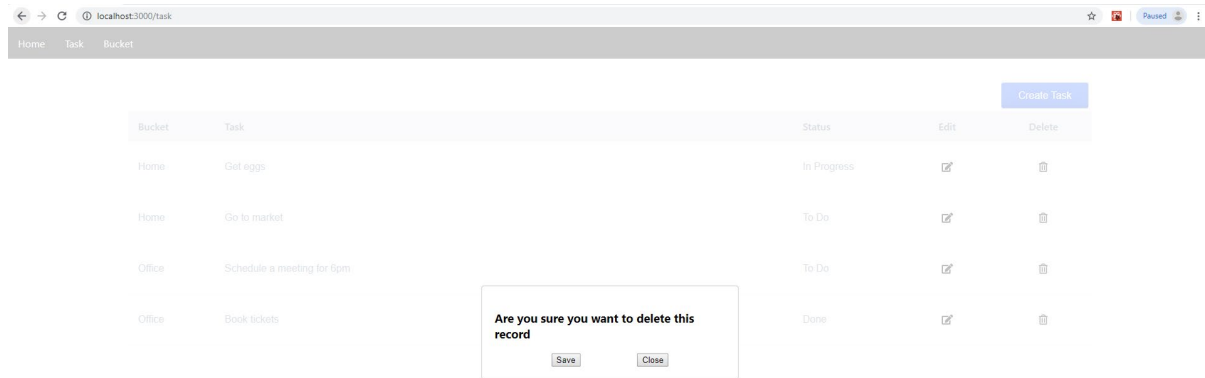
Task

Get eggs

Save

Close

- c. Delete button – To delete the task from the system.



- 3) Bucket – This dashboard shows all the buckets created in the system



-
- a. Create Bucket button – To create a new bucket

- i. Bucket Name – Enter a bucket name not present in the drop down(Note: No validations check are in place)

The screenshot shows a web browser at localhost:3000/bucket. The page has a navigation bar with 'Home', 'Task', and 'Bucket' links. A 'Create Bucket' button is in the top right. Below it is a table with two rows: 'Home' and 'Office'. Each row has an 'Edit' icon (pencil) and a 'Delete' icon (trash). A modal dialog titled 'Create Bucket' is open in the center. It contains a text input field labeled 'Bucket' and a note: 'Note: Enter a Bucket Name which is not available in the drop down. There is no validation check yet!'. At the bottom of the dialog are 'Save' and 'Close' buttons.

Bucket	Edit	Delete
Home		
Office		

Create Bucket
Bucket
Note: Enter a Bucket Name which is not available in the drop down. There is no validation check yet!
Save Close

- b. Edit Button - To edit any information previous entered

The screenshot shows the same web browser and page as the previous one. The 'Edit' button for the 'Home' row in the table is clicked, opening a modal dialog titled 'Edit'. The dialog contains a text input field labeled 'Bucket' with the value 'Home' entered. At the bottom of the dialog are 'Save' and 'Close' buttons.

Bucket	Edit	Delete
Home		
Office		

Edit
Bucket
Save Close

c. Delete button – To delete the bucket from the system.

