

## BEGINNER PROJECT 2:

### To-Do List App (Frontend)

OBJECTIVE: Build a basic To-Do list web application using HTML, CSS, and JavaScript

SKILLS: Learn how to organize your code into commits, and set up a GitHub repository.

GitHub Concepts: Regularly commit your progress, create branches for features, and make pull requests.

### Step 1 : Created a webpage using HTML,CSS,JS

#### Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>To do list</title>

  <link rel = "preconnect" href = "https://fonts.googleapis.com">
  <link rel = "preconnect" href = "https://fonts.gstatic.com" crossorigin>
  <link href = "https://fonts.googleapis.com/css2?family=Montserrat:ital,wght@0,400;0,700;0,900;1,400&display=swap"
rel = "stylesheet">

  <link rel = "stylesheet" href = "style.css" />
</head>
<body>
  <main class = "app">
    <section class = "greeting">
      <h2 class = "title">
        What's up <input type = "text" id = "name" placeholder = "Name here">
      </h2>
    </section>

    <section class = "create-todo">
      <h3>Create your to do list</h3>
      <form id = "new-todo-form">
        <input
          type = "text"
          name = "content"
          id = "content"
          placeholder = "write your task" />

        <h4>Pick a category</h4>
        <div class = "options">

          <label>
            <input type = "radio" name = "category" id = "category1" value = "business" />
            <span class = "bubble business"></span>
            <div>Personal</div>
          </label>

          <label>
            <input type = "radio" name = "category" id = "category2" value = "personal" />
```

```

        <span class = "bubble personal"></span>
        <div>Business</div>
    </label>

</div>

    <input type = "submit" value = "Add todo" />
</form>
</section>

<section class = "todo-list">
    <h3>Todo List</h3>
    <div class = "list" id = "todo-list">

        </div>
    </section>
</main>

<script src = "app.js"></script>
</body>
</html>

```

## Style.css

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>To do list</title>

    <link rel = "preconnect" href = "https://fonts.googleapis.com">
    <link rel = "preconnect" href = "https://fonts.gstatic.com" crossorigin>
    <link href = "https://fonts.googleapis.com/css2?family=Montserrat:ital,wght@0,400;0,700;0,900;1,400&display=swap"
rel = "stylesheet">

    <link rel = "stylesheet" href = "style.css" />
</head>
<body>
    <main class = "app">
        <section class = "greeting">
            <h2 class = "title">
                What's up <input type = "text" id = "name" placeholder = "Name here">
            </h2>
        </section>

        <section class = "create-todo">
            <h3>Create your to do list</h3>
            <form id = "new-todo-form">
                <input
                    type = "text"
                    name = "content"
                    id = "content"
                    placeholder = "write your task" />
            </form>
        </section>
    </main>
</body>

```

```

<h4>Pick a category</h4>
<div class = "options">

  <label>
    <input type = "radio" name = "category" id = "category1" value = "business" />
    <span class = "bubble business"></span>
    <div>Personal</div>
  </label>

  <label>
    <input type = "radio" name = "category" id = "category2" value = "personal" />
    <span class = "bubble personal"></span>
    <div>Business</div>
  </label>

</div>

  <input type = "submit" value = "Add todo" />
</form>
</section>

<section class = "todo-list">
  <h3>Todo List</h3>
  <div class = "list" id = "todo-list">

    </div>
  </section>
</main>
<script src = "app.js"></script>
</body>
</html>

```

## App.js

```

window.addEventListener('load', () => {

  todos = JSON.parse(localStorage.getItem('todos')) || [];

  const nameInput = document.querySelector('#name');

  const newTodoForm = document.querySelector('#new-todo-form');

  const username = localStorage.getItem('username') || '';

  nameInput.value = username;

```

```
nameInput.addEventListener('change', e => {  
  
    localStorage.setItem('username', e.target.value);  
  
})  
  
newTodoForm.addEventListener('submit', e => {  
  
    e.preventDefault();  
  
  
    const todo = {  
  
        content: e.target.elements.content.value,  
  
        category: e.target.elements.category.value,  
  
        done: false,  
  
        createdAt: new Date().getTime()  
  
    }  
  
    todos.push(todo);  
  
    localStorage.setItem('todos', JSON.stringify(todos));  
  
    e.target.reset();  
  
  
    DisplayTodos();  
  
})  
  
DisplayTodos();  
  
})  
  
function DisplayTodos() {  
  
    const todoList = document.querySelector('#todo-list');  
  
  
    todoList.innerHTML = "";
```

```
todos.forEach(todo => {

  const todoItem = document.createElement('div');

  todoItem.classList.add('todo-item');


  const label = document.createElement('label');

  const input = document.createElement('input');

  const span = document.createElement('span');

  const content = document.createElement('div');

  const actions = document.createElement('div');

  const edit = document.createElement('button');

  const deleteButton = document.createElement('button');


  input.type = 'checkbox';

  input.checked = todo.done;

  span.classList.add('bubble');


  if(todo.category == 'personal') {

    span.classList.add('personal');

  }

  else {

    span.classList.add('business');

  }


  content.classList.add('todo-content');

  actions.classList.add('actions');

  edit.classList.add('edit');

  deleteButton.classList.add('delete');
```

```
content.innerHTML = `<input type = "text" value = "${todo.content}" readonly>`;
```

```
edit.innerHTML = 'Edit';
```

```
deleteButton.innerHTML = 'Delete';
```

```
label.appendChild(input);
```

```
label.appendChild(span);
```

```
actions.appendChild(edit);
```

```
actions.appendChild(deleteButton);
```

```
todoItem.appendChild(label);
```

```
todoItem.appendChild(content);
```

```
todoItem.appendChild(actions);
```

```
todoList.appendChild(todoItem);
```

```
if(todo.done) {
```

```
    todoItem.classList.add('done');
```

```
}
```

```
input.addEventListener('click', e => {
```

```
    todo.done = e.target.checked;
```

```
    localStorage.setItem('todos', JSON.stringify(todos));
```

```
if(todo.done) {
```

```
    todoItem.classList.add('done');
```

```
}
```

```
else {
```

```
    todoItem.classList.remove('done');
```

```
}
```

```
DisplayTodos();
```

```
}}
```

```
edit.addEventListener('click', e=> {
```

```
    const input = content.querySelector('input');
```

```
    input.removeAttribute('readonly');
```

```
    input.focus();
```

```
    input.addEventListener('blur', e =>
```

```
    {
```

```
        input.setAttribute('readonly', true);
```

```
        todo.content = e.target.value;
```

```
        localStorage.setItem('todos', JSON.stringify(todos));
```

```
        DisplayTodos();
```

```
    })
```

```
}}
```

```
deleteButton.addEventListener('click', e => {
```

```
    todos = todos.filter(t => t !== todo);
```

```
    localStorage.setItem('todos', JSON.stringify(todos));
```

```
    DisplayTodos();
```

```
})
```

```
})
```

```
}
```

## **GIT BASH:**

1.Git init

2.Git remote add origin <https://github.com/Pravalikaa18/To-do-list.git>

3.git add .

4.git commit -m “save”

5.git push -u origin master

```
MINGW64/c/Users/Administrator/Documents/To-do list
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Documents/To-do list/.git/
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .vscode/
        app.js
        index.html
        style.css

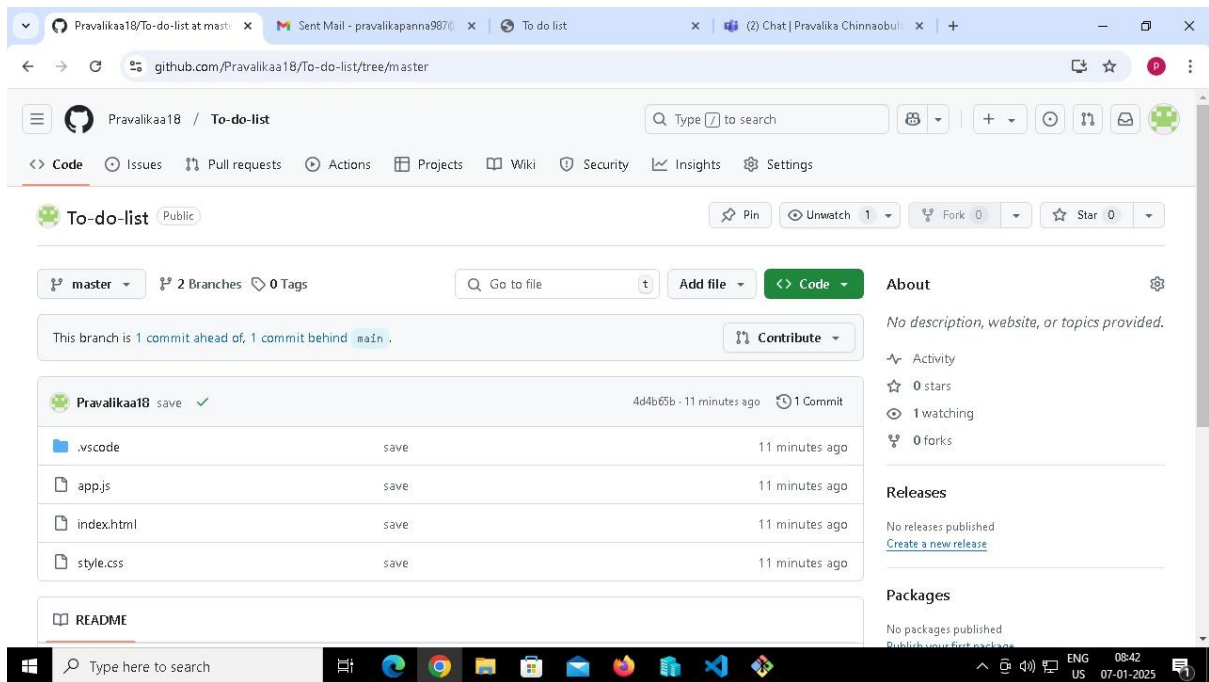
nothing added to commit but untracked files present (use "git add" to track)
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git add .
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git remote add origin https://github.com/Pravalikaa18/To-do-list.git
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git add .
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git commit -m "save"
[master (root-commit) 4d4b65b] save
 4 files changed, 429 insertions(+)
 create mode 100644 .vscode/launch.json
 create mode 100644 app.js
 create mode 100644 index.html
 create mode 100644 style.css
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git push -u origin master
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 3.26 KiB | 477.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
MINGW64/c/Users/Administrator/Documents/To-do list
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .vscode/
        app.js
        index.html
        style.css

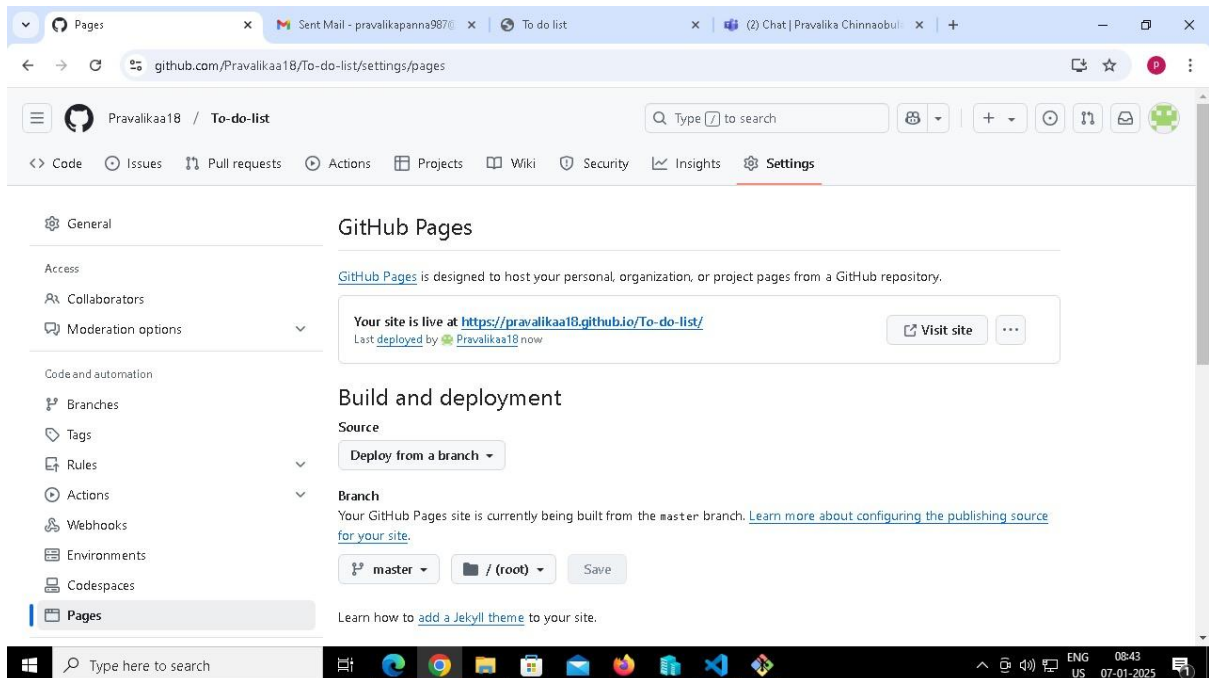
nothing added to commit but untracked files present (use "git add" to track)
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git add .
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git remote add origin https://github.com/Pravalikaa18/To-do-list.git
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git add .
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git commit -m "save"
[master (root-commit) 4d4b65b] save
 4 files changed, 429 insertions(+)
 create mode 100644 .vscode/launch.json
 create mode 100644 app.js
 create mode 100644 index.html
 create mode 100644 style.css
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ git push -u origin master
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 3.26 KiB | 477.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Pravalikaa18/To-do-list/pull/new/master
remote:
To https://github.com/Pravalikaa18/To-do-list.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
Administrator@d73d6822db255ef MINGW64 ~/Documents/To-do list (master)
$ |
```



WEBSITE: <https://pravalikaa18.github.io/To-do-list/>



## GITHUB



The final Output :

