

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.

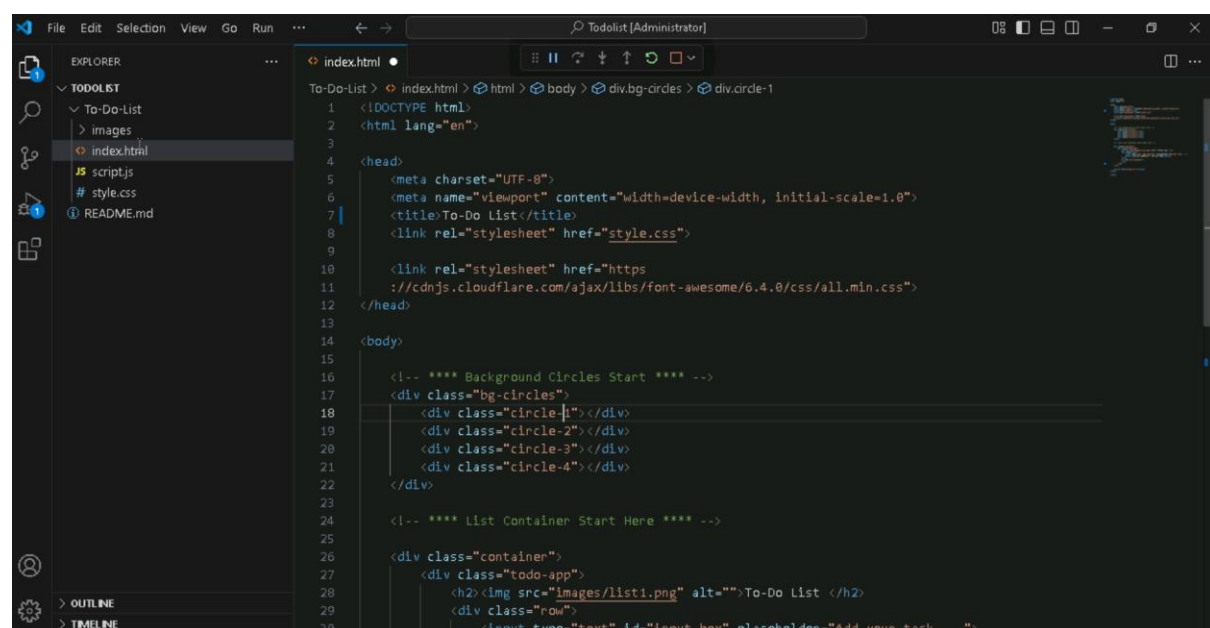
GitHub Concepts: Regularly commit your progress, create branches for features, and make pull requests.

Step1: Initially, Clone the project with the HTML, CSS, and JavaScript File in the Folder

MINGW64:/c:/Users/Administrator/Desktop/Todolist

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git clone https://github.com/keerti1924/To-Do-List.git
Cloning into 'To-Do-List'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 18 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (18/18), 167.64 KiB | 2.58 MiB/s, done.
Resolving deltas: 100% (4/4), done.
```

HTML Code:



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>To-Do List</title>
8   <link rel="stylesheet" href="style.css">
9
10  <link rel="stylesheet" href="https
11    ://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
12 </head>
13
14 <body>
15
16   <!-- **** Background Circles Start **** -->
17   <div class="bg-circles">
18     <div class="circle-1"></div>
19     <div class="circle-2"></div>
20     <div class="circle-3"></div>
21     <div class="circle-4"></div>
22   </div>
23
24   <!-- **** List Container Start Here **** -->
25
26   <div class="container">
27     <div class="todo-app">
28       <h2>To-Do List </h2>
29       <div class="row">
30         <input type="text" id="input-box" placeholder="Add your task ...">
```

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CSS Code:

```
index.html # style.css > ...
1
2 :root {
3   --white-alpha-40: rgba(255, 255, 255, 0.40);
4   --white-alpha-25: rgba(255, 255, 255, 0.25);
5 }
6
7 * {
8   margin: 0;
9   padding: 0;
10  font-family: 'Poppins', sans-serif;
11  box-sizing: border-box;
12 }
13
14 /* Animation Keyframes */
15
16 @keyframes fadeOut {
17   0% {
18     opacity: 1;
19   }
20
21   100% {
22     opacity: 0;
23   }
24 }
25
26 @keyframes zoomInOut {
27   0%,
28   100% {
29     transform: scale(0.5);
30   }
31 }
```

JavaScript Code:

```
index.html JS script.js > ...
1
2 const inputbox = document.getElementById('input-box');
3 const listcontainer = document.getElementById('list-container');
4
5 function addTask() {
6   if (inputbox.value === '') {
7     alert("You must write something");
8   }
9   else {
10    let li = document.createElement("li");
11    li.innerHTML = inputbox.value;
12    listcontainer.appendChild(li);
13    let span = document.createElement("span");
14    span.innerHTML = "\u00d7";
15    li.appendChild(span);
16  }
17  inputbox.value = "";
18  savedata();
19 }
20
21 listcontainer.addEventListener("click", function (e) {
22   if (e.target.tagName === "LI") {
23     e.target.classList.toggle("checked");
24     savedata();
25   }
26   else if (e.target.tagName === "SPAN") {
27     e.target.parentElement.remove();
28     savedata();
29   }
30 }, false);
```

Step 2: Initialize the repository using “git init” Command.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/Todolist/.git
/
```

Step 3: “git remote add origin “git-Link”” command is used in Git to link a local repository to a remote repository.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git remote add origin https://github.com/Santhosh2010-ramesh/ToDo-List.git
```

Step 4: The git add . command is used in Git to stage changes in the working directory, preparing them to be included in the next commit.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git add .
```

Step 5: This Git command provides information about the current state of the working directory and staging area.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   To-Do-List/images/check.png
    new file:   To-Do-List/images/icon.png
    new file:   To-Do-List/images/list.png
    new file:   To-Do-List/images/list1.png
    new file:   To-Do-List/images/todolist.png
    new file:   To-Do-List/index.html
    new file:   To-Do-List/script.js
    new file:   To-Do-List/style.css
```

Step 6: It fetches and integrates changes from the remote repository’s main branch to local main branch.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 901 bytes | 47.00 KiB/s, done.
From https://github.com/Santhosh2010-ramesh/ToDo-List
 * branch            main          -> FETCH_HEAD
 * [new branch]      main          -> origin/main
```

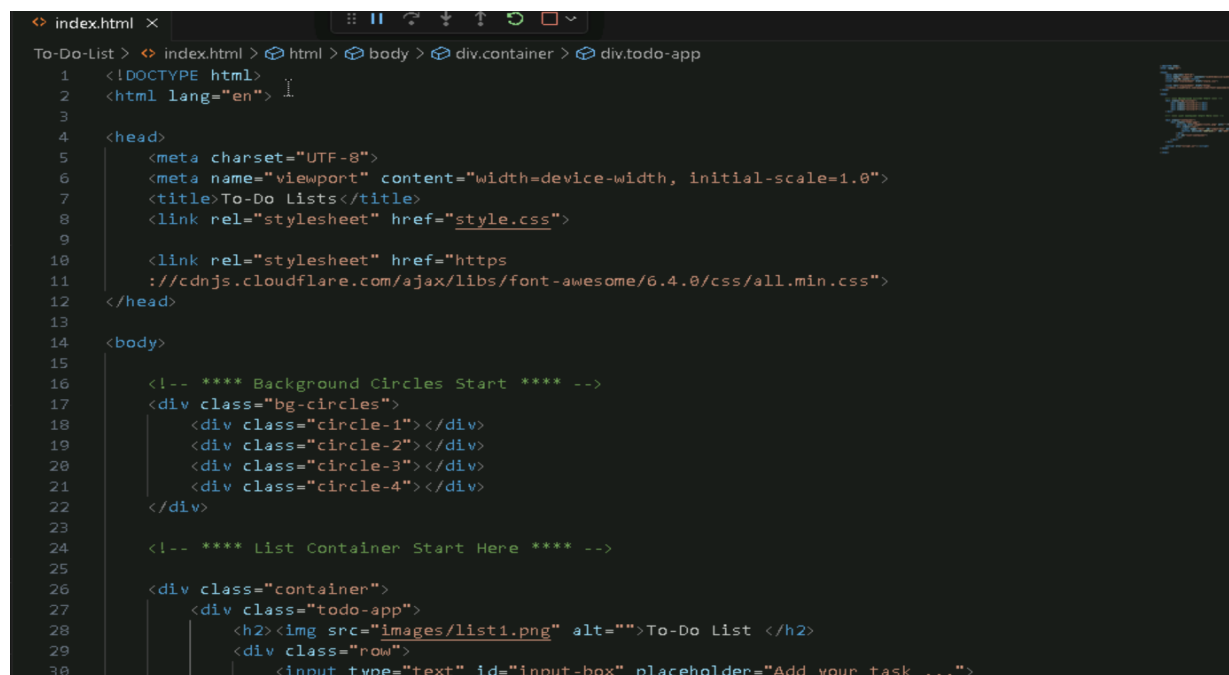
Step 7: Now the added files are committed to the repository.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git commit -m "initial commit"
[master cc45e4e] initial commit
8 files changed, 318 insertions(+)
create mode 100644 To-Do-List/images/check.png
create mode 100644 To-Do-List/images/icon.png
create mode 100644 To-Do-List/images/list.png
create mode 100644 To-Do-List/images/list1.png
create mode 100644 To-Do-List/images/todolist.png
create mode 100644 To-Do-List/index.html
create mode 100644 To-Do-List/script.js
create mode 100644 To-Do-List/style.css
```

Step 8: Pushing the files to the repository using “git push origin HEAD: main”

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git push origin HEAD:main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (12/12), 164.92 KiB | 12.69 MiB/s, done.
Total 12 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Santhosh2010-ramesh/ToDo-List.git
94424fd..cc45e4e HEAD -> main
```

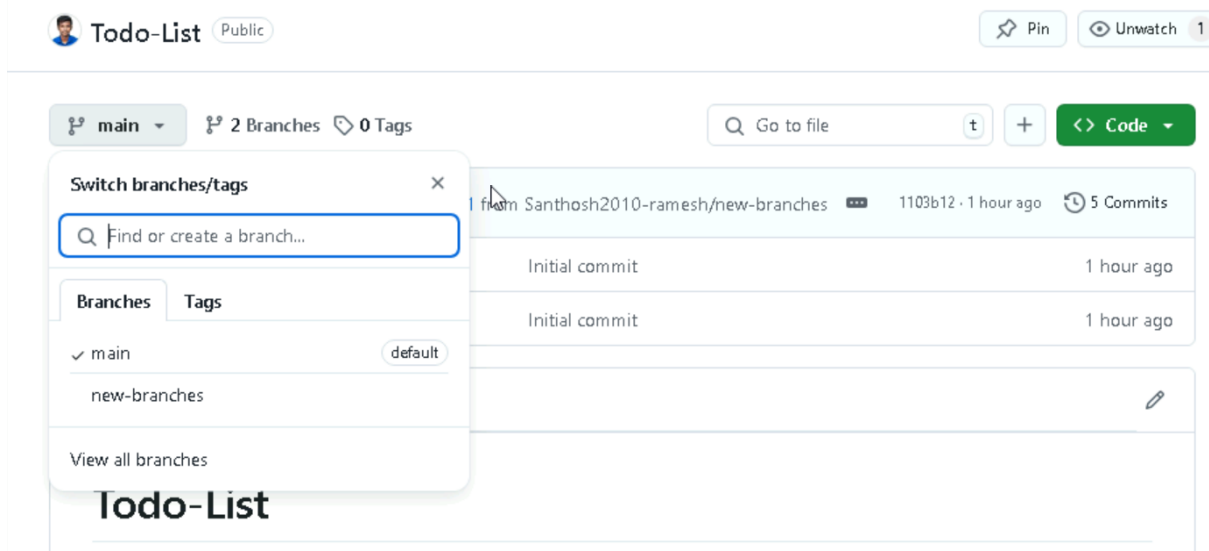
Step 9: Now making a minor change in the Title of the => To-Do List as To-Do Lists in the index.html file.



```
index.html x
To-Do-List > index.html > html > body > div.container > div.todo-app
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5 <meta charset="UTF-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>To-Do List</title>
8 <link rel="stylesheet" href="style.css">
9
10 <link rel="stylesheet" href="https
11 ://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
12 </head>
13
14 <body>
15
16 <!-- **** Background Circles Start **** -->
17 <div class="bg-circles">
18 <div class="circle-1"></div>
19 <div class="circle-2"></div>
20 <div class="circle-3"></div>
21 <div class="circle-4"></div>
22 </div>
23
24 <!-- **** List Container Start Here **** -->
25
26 <div class="container">
27 <div class="todo-app">
28 <h2>To-Do List </h2>
29 <div class="row">
30 <input type="text" id="input-box" placeholder="Add your task ...">
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Step 10: Now Creating a new branch in the GitHub repository as “new - branches”.



Step 11: Now adding all the modified file from the local to the GitHub repository new branch and committing the changes.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git add .

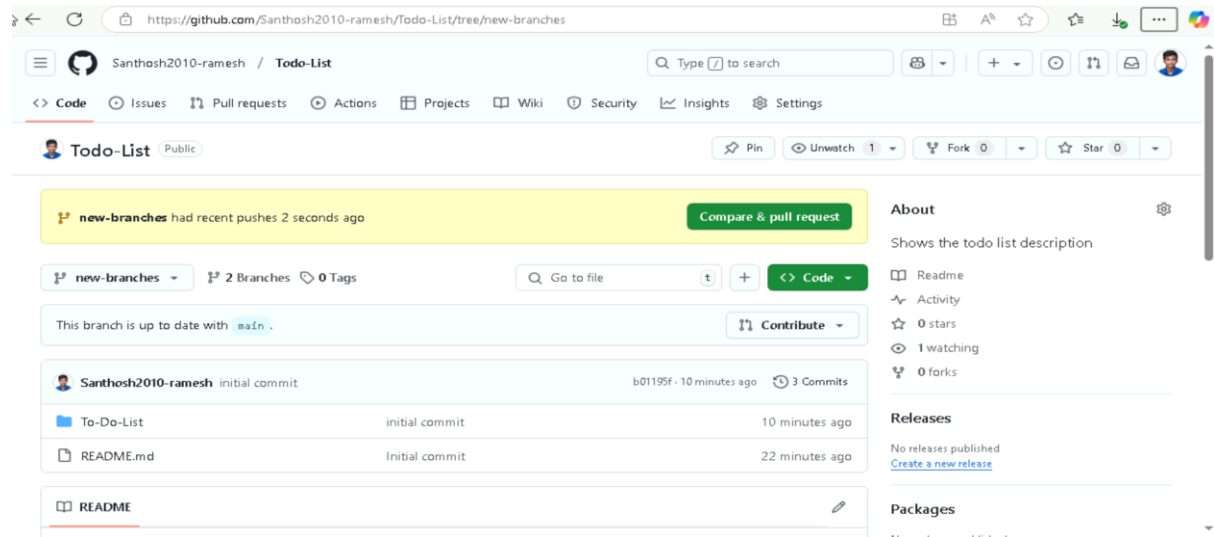
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (new-branch)
$ git commit -m "initial commit"
[new-branch b01195f] initial commit
1 file changed, 1 insertion(+), 1 deletion(-)
```

Step 12: Now pushing the modified files to the new branch

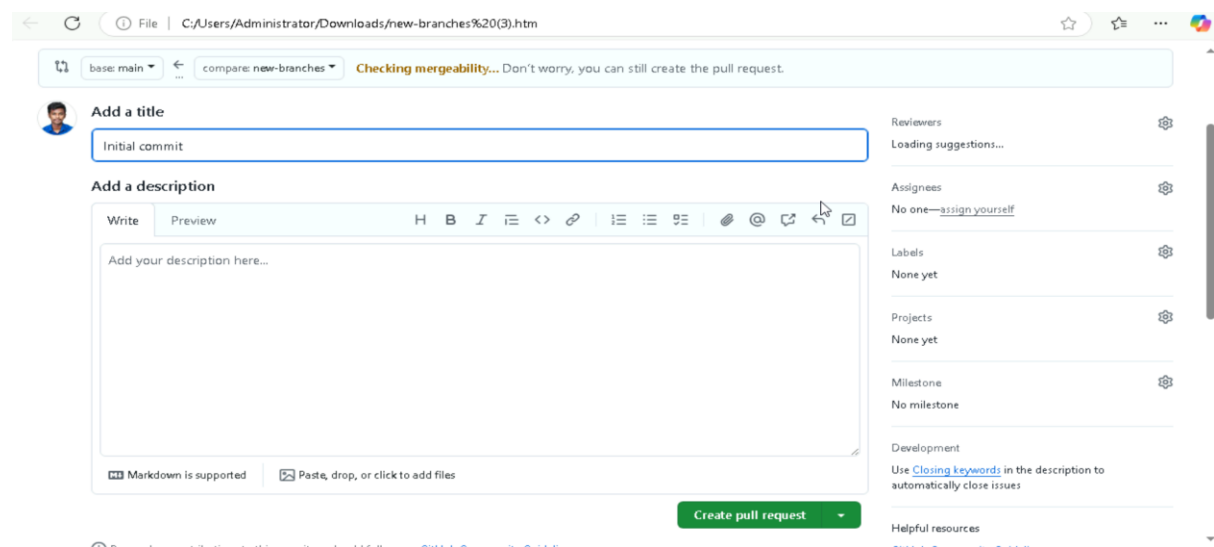
```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (new-branch)
$ git push origin HEAD:new-branches
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 391 bytes | 391.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Santhosh2010-ramesh/Todo-List.git
   b01195f..f537efd HEAD -> new-branches
```

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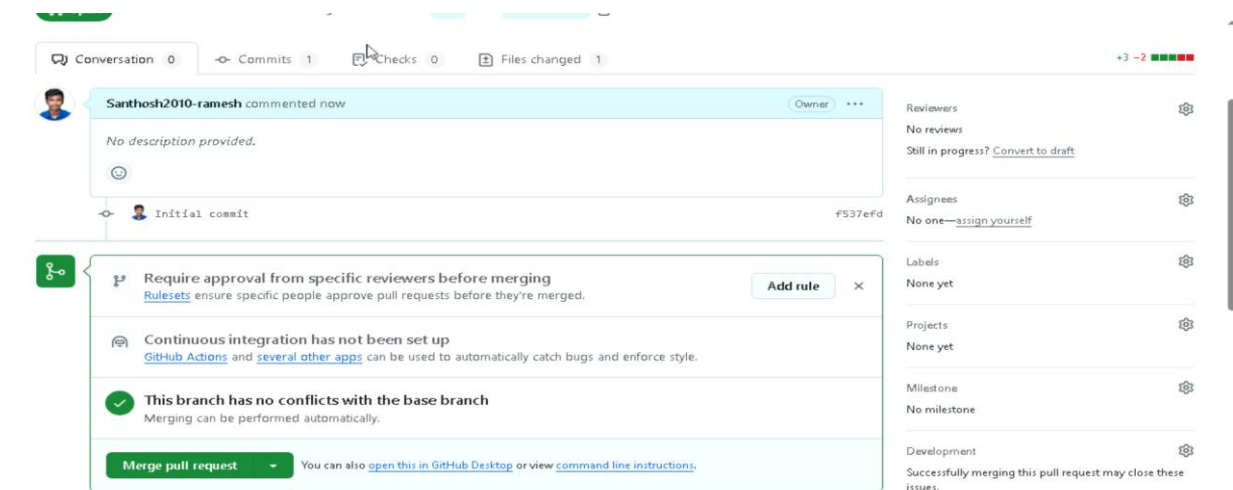
Step 13: Comparing and requesting the pull from the new branch to the main branch.



Step 14: After the difference is pointed the pull request is created.



Step 15: Now Merging the pull request in GitHub.



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Step 16: Submit and confirm the merge request.

The screenshot shows the GitHub Pull Request #1 interface. At the top, there are tabs for Conversation (0), Commits (1), Checks (0), and Files changed (1). A comment by Santhosh2010-ramesh is visible. The main area shows the merge pull request #1 from Santhosh2010-ramesh/new-branches. Below this, there is a section for 'Initial commit' with a 'Confirm merge' button and a 'Cancel' button. To the right, there are sections for Reviewers, Assignees, Labels, Projects, Milestone, and Development. The 'Confirm merge' button is highlighted in green.

Step 17: Pull request is successfully merged and closed.

The screenshot shows the GitHub Pull Request #1 interface after the merge. The 'Initial commit' section is now a message stating 'Pull request successfully merged and closed'. Below this, there is a section for 'Add a comment' with a 'Write' button and a 'Preview' button. The 'Confirm merge' button is highlighted in green.

The screenshot shows a web browser window displaying a To-Do List application. The browser address bar shows '127.0.0.1:5500/To-Do-List/index.html'. The application has a title 'To-Do List' and a form with a text input 'Add your task ...' and an 'Add' button. Below the form, there is a list of tasks: 'Have fruits', 'Take a cereal Meal for Breakfast', 'Hit the Gym', and 'Finish the Assignments'. Each task has a radio button and a delete icon (x).

=====END=====