GIT & GITHUB

Web developer tools

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PROJECT OVERVIEW:

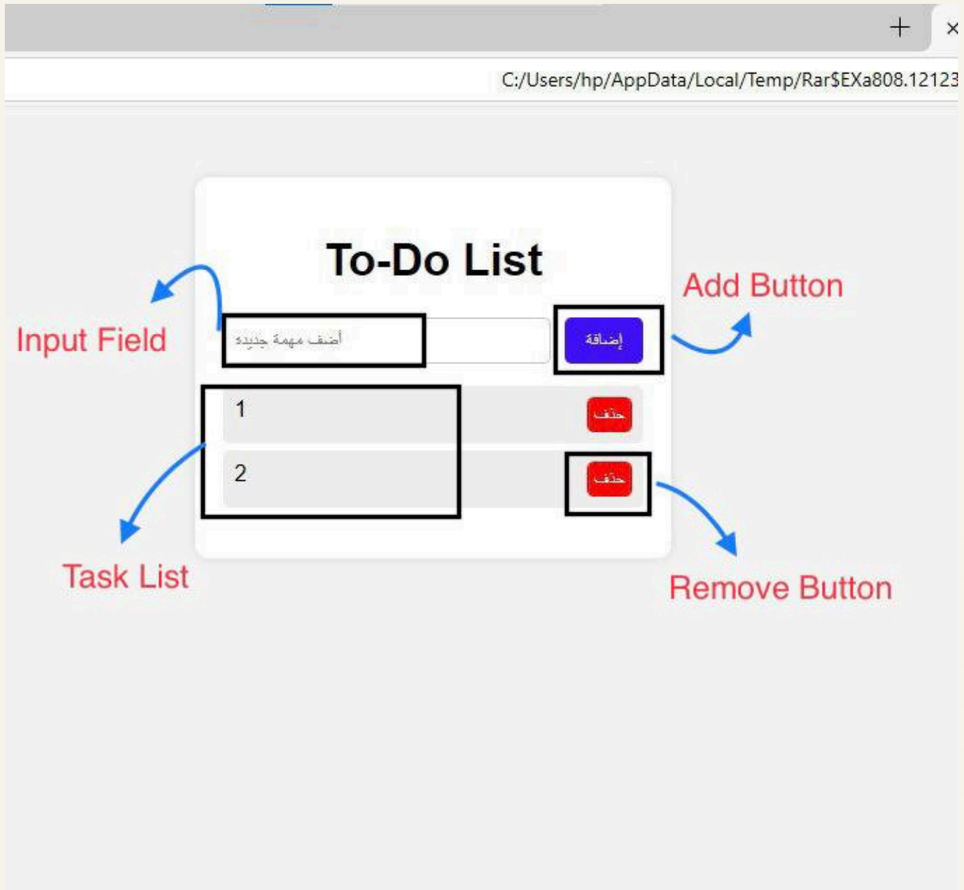
The project is centered around the development of a To-Do List application. The primary goal of this application is to help users efficiently manage their tasks and enhance productivity.Our goal is to provide a tool that helps individuals improve their organization and efficiency in personal and professional life.

KEY FEATURES:

- **Task Addition:** Easy addition of new tasks.
- **Task Management:** Organized display of tasks for easy prioritization.
- **User-Friendly Interface:** Simple and easy-to-use design.
- **Accessibility:** Available across various devices for updating tasks on the go

THE TO-DO LIST COMPONENTS:

1. **Input Field:** Where users enter new tasks.
2. **Add Button:** Submits the task from the input field.
3. **Task List:** Displays the added tasks.
4. **Remove Button:** Deletes a specific task from the list.



HTML & CSS:

- The user interface was created with a simple and clean design.
- CSS was used to style elements such as buttons and menus.

JavaScript:

- Tasks were added when the "Add" button was clicked.
- The ability to delete tasks was added when the "Delete" button was clicked.

Manage the repository and branches using Git & GitHub

Our project requires the use of Git & GitHub to manage code and organize teamwork.

REPOSITORY AND BRANCHES IN GIT

The repository has been created on GitHub to host the project and facilitate teamwork.

Established Branches:

1. main

The main branch of the project, where the core code is developed and managed.

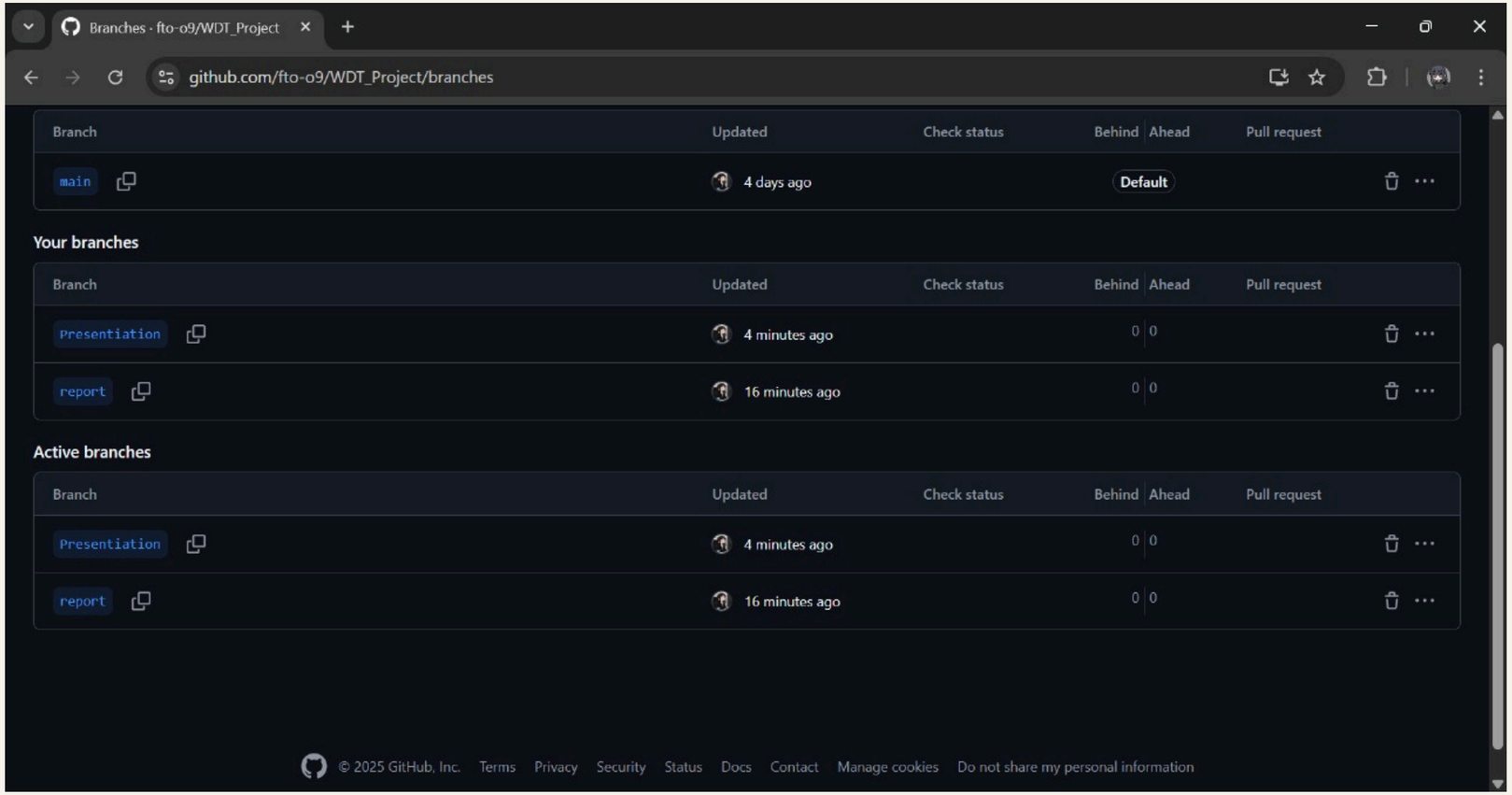
2. report

Contains the project report, including information and analyses related to the project.

3. presentation

Includes the presentation and content related to Git, such as slides and documents needed for the project presentation.

WAREHOUSES


Branches · fto-o9/WDT_Project
github.com/fto-o9/WDT_Project/branches
Branch
Updated
Check status
Behind
Ahead
Pull request
main
4 days ago
Default
Your branches
Presentiation
4 minutes ago
0
0
report
16 minutes ago
Active branches
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GIT COMMANDS:

Initializing the Repository and Working on It:

- **git init:** Initializes a new Git repository.
- **git add:** Stages all changes in the working directory for the next commit.
- **git commit -m "Your commit message":** Commits the staged changes with a descriptive message.
- **git push origin main:** Pushes the committed changes to the main branch on the remote repository.

Managing Branches:

- **git branch:** Lists all branches in the repository.
- **git checkout -b report:** Creates a new branch called "report" and switches to it.
- **git push origin report:** Pushes the "report" branch to the remote repository.

PROBLEMS I ENCOUNTERED AND THEIR SOLUTIONS:

Problem: An error appears when trying to push files to GitHub.

Solution:
Open the folder using Git Bash from the desktop.

Problem: An error appears when trying to push files to GitHub.

Solution:
Make sure you are logged into GitHub and that the repository is linked correctly.

SOURCES UTILIZED

- **The first source:**

  Lecture by Dr. Mazen (Detailed explanation of Git).

- **The second source:**

  Course: Learn Git & GitHub From Zero to Hero in Arabic 2022 (YouTube).

- **The third source:**

  Video: "Easily Uploading a Project to GitHub Using Git" (YouTube)

In conclusion of this project, we successfully used Git & GitHub to manage the project. We faced some challenges, but overcoming them enhanced our understanding of Git. The use of Git and GitHub promotes work organization and encourages effective collaboration.

THANK YOU