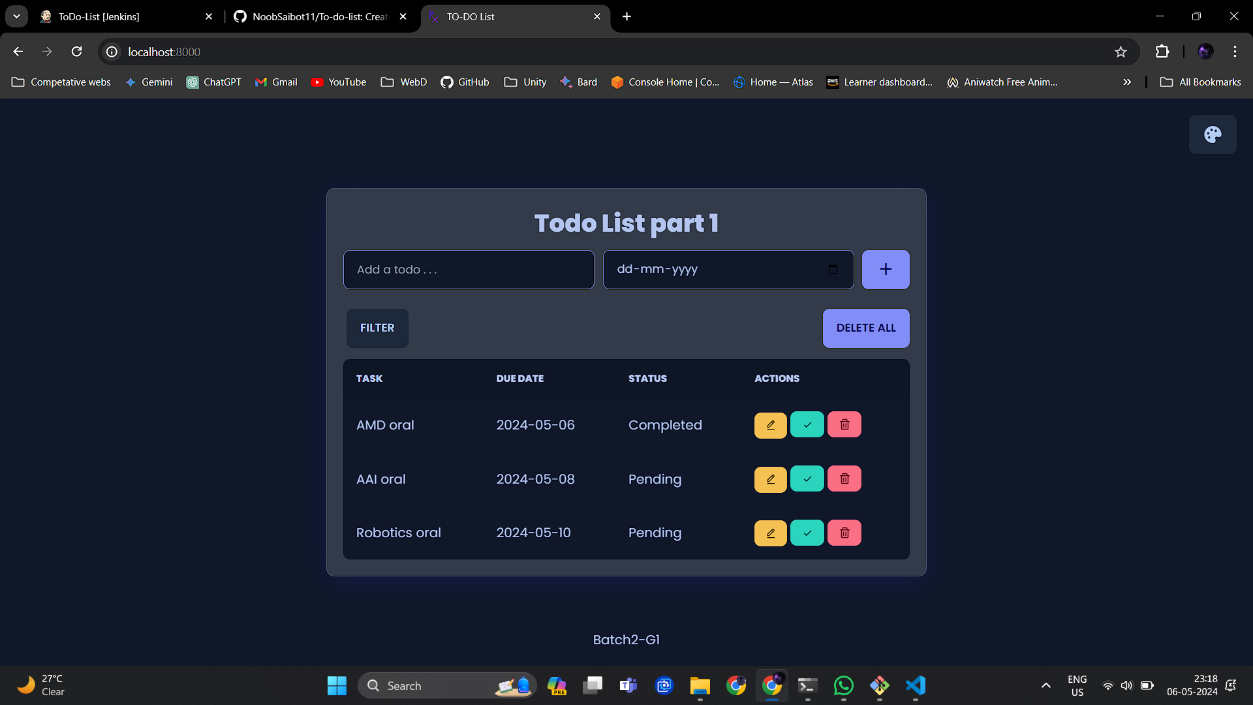
**Batch 2: Group 1**

**Assignment 12**

**Aim:** Outcome of the project as copyright / Paper / Patent

**Outcome:**

The outcome of our project is a web application for to-do list.



The tasks added by user are stored in local storage.

A screenshot of a computer

Description automatically generated

For the implementation of ci-cd pipeline using Jenkins, first the developer have to make changes in the repository copy in his local machine. In our case suppose developer makes changes in inde.html file by adding team name in footer in his local machine on VS code IDE.

A computer screen with text on it

Description automatically generatedA computer screen with text on it

Description automatically generated

Now we have added team name in footer i.e. made changes in project in local machine, let push it through git.

First, before pushing lets check out GitHub repository to see if changes are made.

A screenshot of a computer

Description automatically generated

As we can see there’s no team name added in footer in GitHub repository’s index.html file.

Let’s push the code through git now.

A computer screen shot of a program

Description automatically generated

Now, let’s check if the code is updated or not on GitHub repository.

A screenshot of a computer

Description automatically generated

Now redirect to Jenkins software and build the project once again for updating the changes made into deployed project.

A computer screen with a to do list

Description automatically generated

Let’s head to our project i.e. to port 8000 where we deployed our project.

A screenshot of a computer

Description automatically generated

We haven’t refreshed the page yet so the changes made aren’t deployed, refresh the page once to get the updated application.

A screenshot of a computer

Description automatically generated

As we can see after refreshing the footer have been updated with team name(Pixels).

Also when we made a new build and refreshed the website our tasks are still there because they are stored in local storage.

A screenshot of a computer

Description automatically generated

**Conclusion:**

The implementation of a CI/CD pipeline using Jenkins, Git, and GitHub marks a significant stride towards seamless software development and deployment. Jenkins orchestrates the automation process, continuously integrating code changes from Git repositories hosted on GitHub. This integration fosters collaboration, enhances version control, and accelerates the delivery of high-quality software. With robust testing, automated builds, and streamlined deployment workflows, teams can iterate rapidly, mitigate errors efficiently, and ensure consistent, reliable releases. Ultimately, this integration empowers teams to embrace agile methodologies, foster innovation, and meet the demands of today's dynamic software landscape.