

Team-10 members:

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Sprint 1 Assignment

A short explanation about what has been done in this sprint:

Our period of time to this sprint were 2 weeks.

We began our sprint with a planning meeting, during the meeting we agreed upon exactly what work will be accomplished according to our understating of the vision document, we assign tasks to each team member with x days he need to complete the task, at the end of the sprint we made a review meeting and view and accept all the team members tasks.

our accomplishes during this sprint were as requested:

- Create a new repository in GitHub and set up the team so they can collaborate.
- Arrange our repository folders. (src, test etc.)
- Setup the CI/CD pipeline
- Create home page with navigation bar and login page

The client technology the group chose to use and the reason for choosing it:

In this project we used the MERN stack (*MongoDB, Express, React, Node*) because it's a very popular stack with a lot of documentation and help online, we found that very important due to the lack of our knowledge in the web develop filed.

We also used the following:

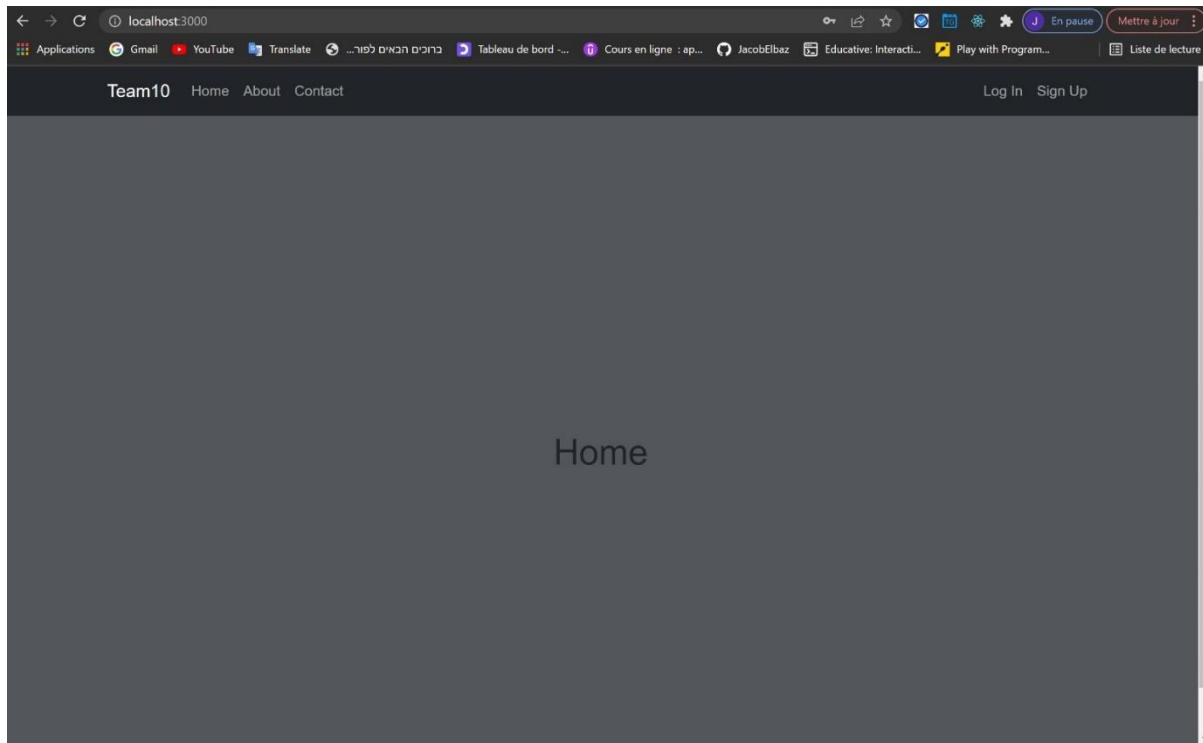
- Project Management Platform - *Shortcut* - as required
- CI/CD – *CircleCI* – as presented in the class
- Host – *Heroku* - as presented in the class
- Repository - *GitHub* – most popular version control platform

Other tools that been used are:

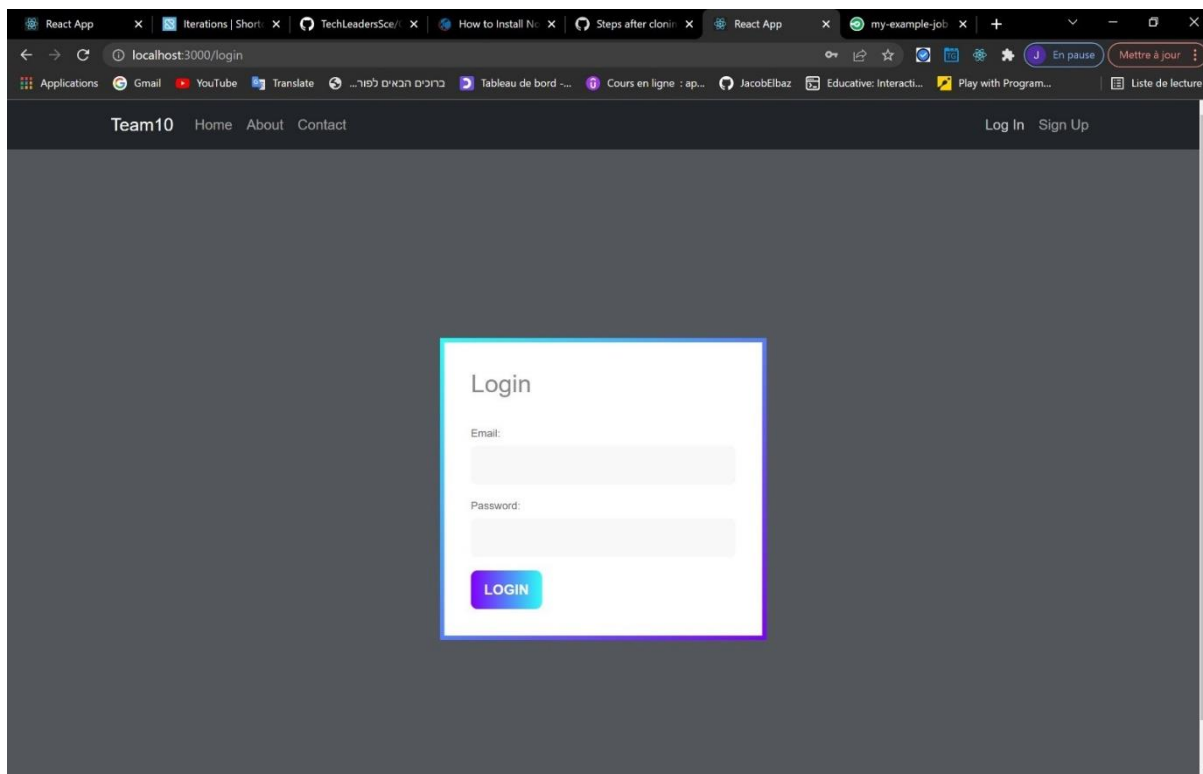
- IDE – *Visual Studio Code* – to the convenience of the developers
- OS – *Windows 10* – most popular OS.

Website screenshots:

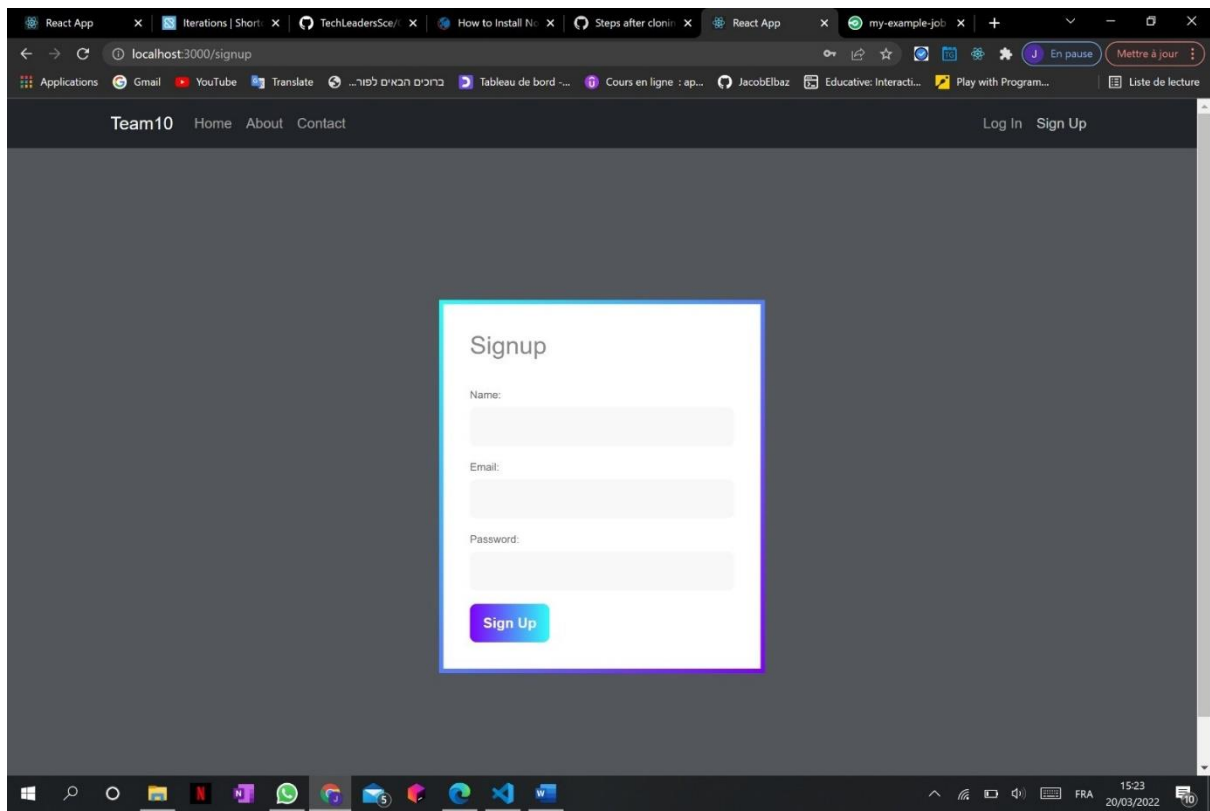
Home Page:



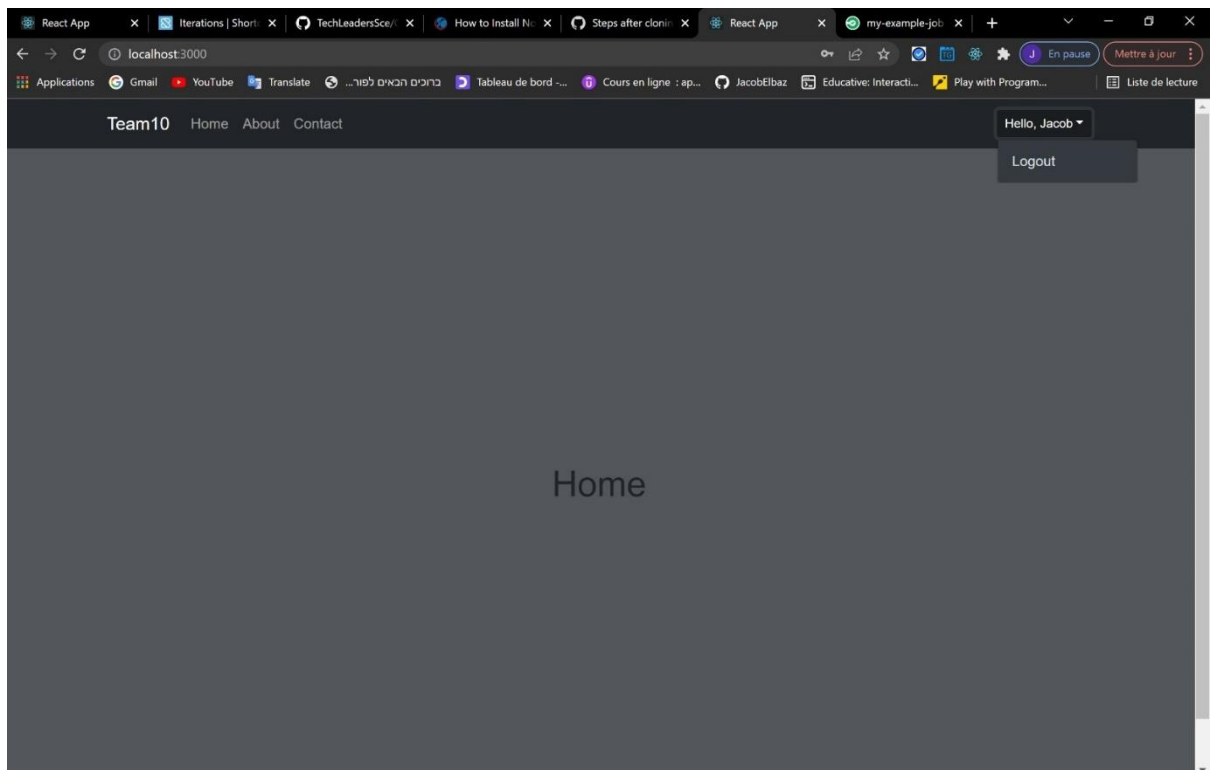
Login Page:



Signup Page:



Home Page (Logged in):



How to set up and run project explanation:

- 1) Clone the project from git repository: https://github.com/TechLeadersSce/CICD_Class.git
- 2) Open it in the IDE (preferable: Visual Studio Code)
- 3) Install NodeJs
- 3) Open command line in the project
- 4) Run npm install
- 5) Open the command line in the client folder
- 7) Run npm install
- 6) (In client) Run npm start

The CI/CD pipeline (after completion – screenshots):

CircleCI:

The screenshot shows the CircleCI dashboard for the 'CICD_Class' project. The left sidebar contains navigation links: Dashboard, Projects, Insights, Organization Settings, and Plan. The main content area displays a table of pipeline runs. The table has columns for Pipeline, Status, Workflow, Branch / Commit, Start, Duration, and Actions. The pipeline runs are listed in descending order of start time.

Pipeline	Status	Workflow	Branch / Commit	Start	Duration	Actions
CICD_Class 35	Success	my-cicd-example-workflow	main 2535197 add simple authentication to login	15h ago	11s	...
Jobs						
	Success	my-example-job	39		8s	
CICD_Class 34	Success	my-cicd-example-workflow	main 31a7366 cleaning	4d ago	12s	...
Jobs						
	Success	my-example-job	38		9s	
CICD_Class 33	Success	my-cicd-example-workflow	main 842c92b Add NavBar	4d ago	13s	...
Jobs						
	Success	my-example-job	37		10s	
CICD_Class 32	Success	my-cicd-example-workflow	main 85677e5 Update HomePage.js	5d ago	20s	...

The screenshot shows the details of a specific job run, 'my-example-job'. The top section displays a warning about a deprecated Docker image and a 'Parallel runs' section indicating 1 / 16 parallel runs. Below this, a list of steps is shown with their status and duration.

Step	Status	Duration	Actions
Spin up environment	Success	1s	...
Preparing environment variables	Success	0s	...
Checkout code	Success	0s	...
Restoring cache	Success	1s	...
npm install	Success	2s	...
npm test	Success	0s	...
npm run lint	Success	1s	...
Saving cache	Success	0s	...

Heroku:

The screenshot shows the Heroku dashboard for the application 'mern-team10'. The interface is in Hebrew. At the top, there's a navigation bar with the Heroku logo and a search bar. Below the navigation bar, the main content area is divided into three sections:

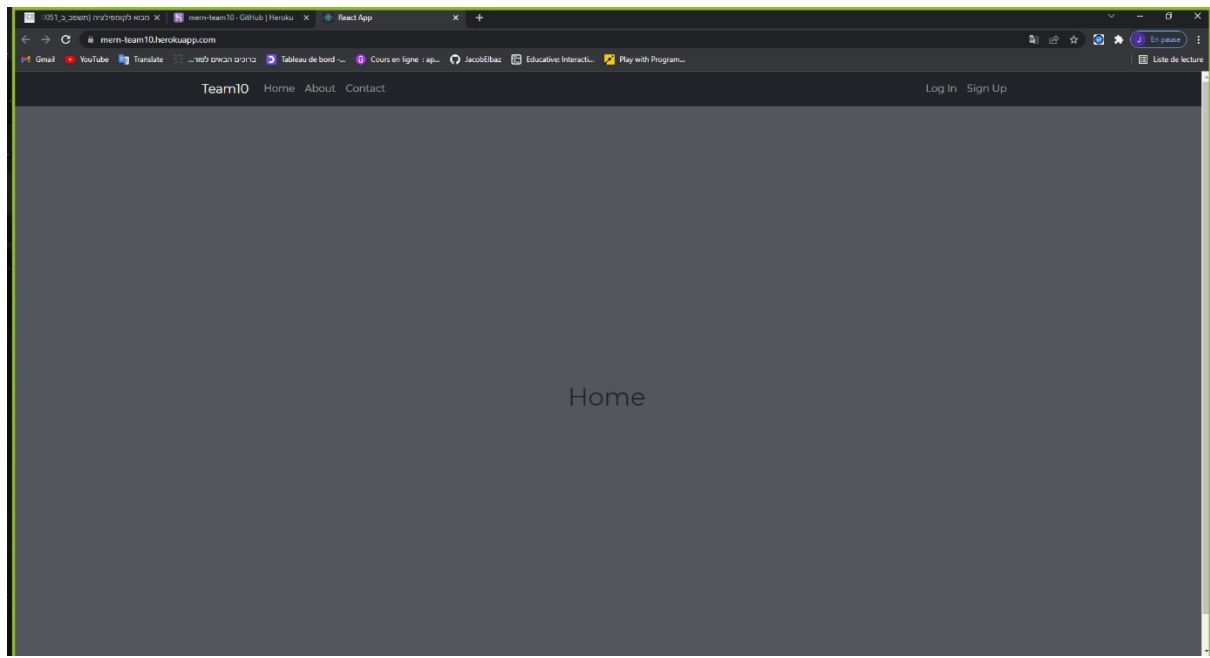
- App connected to GitHub:** This section shows that the app is connected to a GitHub repository named 'TechLeadersSci/CICD_Class' by user 'JacobElbaz'. It includes a 'Disconnect...' button and links to view commit diffs and automatically deploy from the 'main' branch.
- Automatic deploys:** This section explains that automatic deploys are enabled for the 'main' branch. It includes a 'Disable Automatic Deploys' button and a note about waiting for CI to pass before deploying.
- Manual deploy:** This section allows the user to manually deploy a specific GitHub branch. It includes a dropdown menu to select a branch (currently 'main') and a 'Deploy Branch' button.

The footer of the dashboard includes links to 'heroku.com', 'Blogs', 'Careers', 'Documentation', and 'Support', as well as 'Terms of Service', 'Privacy', 'Cookies', and a copyright notice for 2022 Salesforce.com.

The screenshot shows the 'Overview' page for the application 'mern-team10'. The page is divided into several sections:

- Metrics (last 24hrs):** This section displays four line graphs: 'Response Time' (1 ms), 'Throughput' (< 1 rps), 'Memory' (6%), and 'CPU' (0.00/month). It includes a 'Configure Add-ons' button.
- Installed add-ons:** This section shows that there are no add-ons installed for this app. It includes a 'Learn more' link.
- Dyno formation:** This section shows the current formation of the app, which is using 'hobby' dynos. It includes a 'Configure Dynos' button.
- Collaborator activity:** This section shows the activity of collaborators. It includes a 'Manage Access' button.
- Latest activity:** This section shows a list of recent events, including deployments and builds. Each event includes a timestamp, a version number, and a link to view the build log.

The page also includes a navigation bar at the top with links to 'Overview', 'Resources', 'Deploy', 'Metrics', 'Activity', 'Access', and 'Settings'.



A link to the services used (CI/CD):

- Heroku: <http://mern-team10.herokuapp.com/>
- CircleCI: https://app.circleci.com/pipelines/github/TechLeadersSce/CICD_Class
- GitHub: https://github.com/TechLeadersSce/CICD_Class