

GeeksFiesta

Web-Dev Roadmap

Project Summary:

Every branch in every college is unique in its own way - so why not create a website for your branch befitting its uniqueness? Utilize the 10 days of the hackathon to build a robust website with authentication system, notice board and many more features - all for your branch!

Preferred Techstacks:

Frontend:

- HTML
- CSS
- Javascript

Backend:

- Node.js
- Django

Hosting:

- Frontend only: Github Pages
- With Backend: Heroku

Database:

- MongoDB (Host on Mongo atlas)
- SQL (Host anywhere you like)

➤ N.B.:

- a. Participants are free to use their own tech stacks as long as they abide by the constraints mentioned in the [Rules](#) section

Roadmap:

Day 1 - Day 3: Frontend

Day 1: Github Pages and Initial Setup

- Create a private Github Repo - to be used throughout the event
- Add the Web Dev Track mentors ([nayyhab](#), [sandeepan-das](#), [nizz009](#)) as the contributors
- Make a dummy website and host it on Github pages - link is to be submitted in the GFG IIT Student Chapter Github Repo ([day 1.md](#))
- Design and build the homepage for the website
- Create a timetable for the branch
- **Resources:**
 - Github lab tutorial:
<https://lab.github.com/githubtraining/introduction-to-github>
 - Github tutorial (documentation):
<https://guides.github.com/activities/hello-world/>
 - Hosting on Github Pages:
https://www.youtube.com/watch?v=8hrJ4oN1u_8
 - HTML (Same for the upcoming days - Select the topics necessary for you):
<https://www.w3schools.com/html/>
 - CSS (Same for the upcoming days - Select the topics necessary for you):
<https://www.w3schools.com/css/>
 - JS (Same for the upcoming days - Select the topics necessary for you):
<https://www.w3schools.com/js/DEFAULT.asp>

Day 2: Student's Section & Notice Board

- Student's section: Lists all students from the branch and clicking on each student displays their details like general info, achievements, etc.
- Notice Board: Displays important details regarding class cancellation, quizzes/tests, assignments, etc.

Day 3: Forms: User Authentication & Student details

- Build forms for the following sections in order to take input from the user:
 - User Sign Up
 - User Log In
 - Edit student details - each student can edit their own details

Bonus Tasks:

- Specialised authentication system: Only your branchmates can log in and sign in to the website
- To-do list: Make a to-do list to keep track of pending assignments or projects
- Class polls: Develop class polls for knowing the majority's decisions for finalising quiz dates, assignments or even for deciding mass bunks! :P

Rules:

1. Submissions of Tasks:

- a. Push the completed tasks into your Github repo
- b. Update the markdown files in [GeeksFiesta-WebdevTrack repo](#) for each day/period with the link to the latest commit by following the sample submission layout mentioned in the markdown files

2. Restrictions on Tech Stacks:

- a. Use only HTML, Pure CSS and Javascript for frontend - Bootstrap can be used only for the [grid elements](#) in order to add responsiveness to the website
- b. No drag and drop tools (like Firebase, Wix editor, etc.) are allowed

3. Judging Criteria:

- a. User-friendly UI with all mentioned features
- b. Implementation of [bonus tasks](#)
- c. Code quality
- d. Responsiveness

Resources:

Github:

- <https://lab.github.com/githubtraining/introduction-to-github>
- <https://guides.github.com/activities/hello-world/>

FrontEnd

- HTML: <https://www.w3schools.com/html/>
- CSS: <https://www.w3schools.com/css/>
- JS: <https://www.w3schools.com/js/DEFAULT.asp>

Hosting

- Github pages: https://www.youtube.com/watch?v=8hrJ4oN1u_8
- Netlify: <https://www.youtube.com/watch?v=cUMUTS2ybhg>