NodeJS-Team 3

PROJECT REPORT

Team Details:

Team	Team 3	
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Participants	1. Pundreek Saurabh Srivastava 2. Ritika Jaiswal 3. Ritika Thakur 4. Riya Tyagi 5. Sangeeta Jha 6. Shashank Kesarwani 7. Shilpa Santpure 8. Shivani Rajput 9. Shivani Garg 10. Shubham Tiwari 11. Priyanshu	1. pundreeksaurabh@gmail.com 2. ritikajais1999@gmail.com 3. ritikathakur22222@gmail.com 4. riyaty04@gmail.com 5. nehasangeetajha@gmail.com 6. am.shashank01@gmail.com 7. santpureshilpa@gmail.com 8. shivanirajput2597@gmail.com 9. gargshivani027@gmail.com 10. tiwari.98shubham@gmail.com 11. priyanshu.pandeyvsec@gmail.com
Project Domain	Education	

Project Synopsis:

This project is an *online test and evaluation platform* under the Education domain. This project is proposed to be developed in these months of June-August Under GirlScript Uplift Project. The project aims to provide an online platform to enable individuals or institutions to create tests and evaluate submissions.

Proposed Features:

The core feature of the project is to enable users to create tests and evaluate the performance of the students.

- Create Test
- Multiple types of test(MCQ, Subjective)
- Evaluation of submissions
- Data Visualisation of results.
- Sending results to participants via email.

The project features will cover all the things required for a CRUD application to work as a login system, passport authentication, session, interaction with databases, templating, etc.

Tech Stack:

- Nodejs/Expressjs (Server)
- EJS (Dynamic HTML templating)
- MongoDB (Database)

(Tech Stack might include obvious npm packages that will be listed here as and when they are added.)

Learning Plan:

https://github.com/blitz450/Uplift-NodeJS-Learning-Path
Learning-Path Repo consists of Topics outline and resources for the same.

Tentative Timeline (Week Wise):

Week 0	*Javascript (Essentials)*
Week 1	*Core Nodejs & Web Server*
Week 2	*ExpressJS Web server & Templating Engine*
Week 3	*REST API*
Week 4	*MongoDB /Mongoose*
Week 5	*Authentication/Session/Cookies*
Week 6	*Extras*
Week 7	*Project Building*

Tentative Plan (Monthly):

June:

● Getting all participants to get started with Javascript Essentials and core NodeJS. Participants will grab the required JS knowledge, and core crux of what nodeJs is, and how we use some of its core modules.

- The second half of June will focus on building Web server with NodeJS/Express and some extra bits depending on the learning pace

July:
- Participants finally lay hands on CRUD operations with MongoDB and the authentication part of the app.

- The second half of July would mark the tentative start of the project building. The development pace will keep a good account of the learning pace of every participant.

August:
- After completion of core features, extras ones will be added on top depending on participants' inputs and time availability.

Project Milestones:

15th-31st July:

- Starting off with quick and anonymous test creations, with a shareable link to receive responses, and another link to track responses received.
- Only deal with MCQ types.

1st-15th August:

- User account creation, to easily track the tests created.
- Adding result insights and data about the test results.

16th-15th August:

- Subjective Questions (Evaluation for each test item that is subjective).

- Sending results via email.
- Extra Features