

TradeByte

Team Details:

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Project Name:	TradeByte	Stock Trading Simulation
Domain:	National Economy, Banking, and Investment.	

Project Idea:

TradeByte is a small Stock Trading simulation game that we will build in these 3 months under The Uplift Project by GirlScript Foundation. It came under the National Economy, Banking, and Investment domain. I got the motivation from [Moneybhai](#) which is also an investing simulation game. We will not build the entire Moneybhai but a small part of it to achieve CRUD functionality as most of the participants are beginners. The main aim of the project is to learn nodejs and server-side development.

Features:

The user has the option to create an account which is the simulation of the basic trading account where the user data and stocks data is stored. The user has the option to buy and sell stocks with the allotted virtual money to him and also some small features are added to make the platform intuitive. 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.

Stack:

Nodejs with Expressjs (Web Framework), MongoDB as Database, Postman for Testing the APIs, and some famous npm packages for functionalities.

(The Project majorly focused on the backend, not the frontend. The frontend is optional and will build it on the basis of the remaining time.)

Learning Plan:

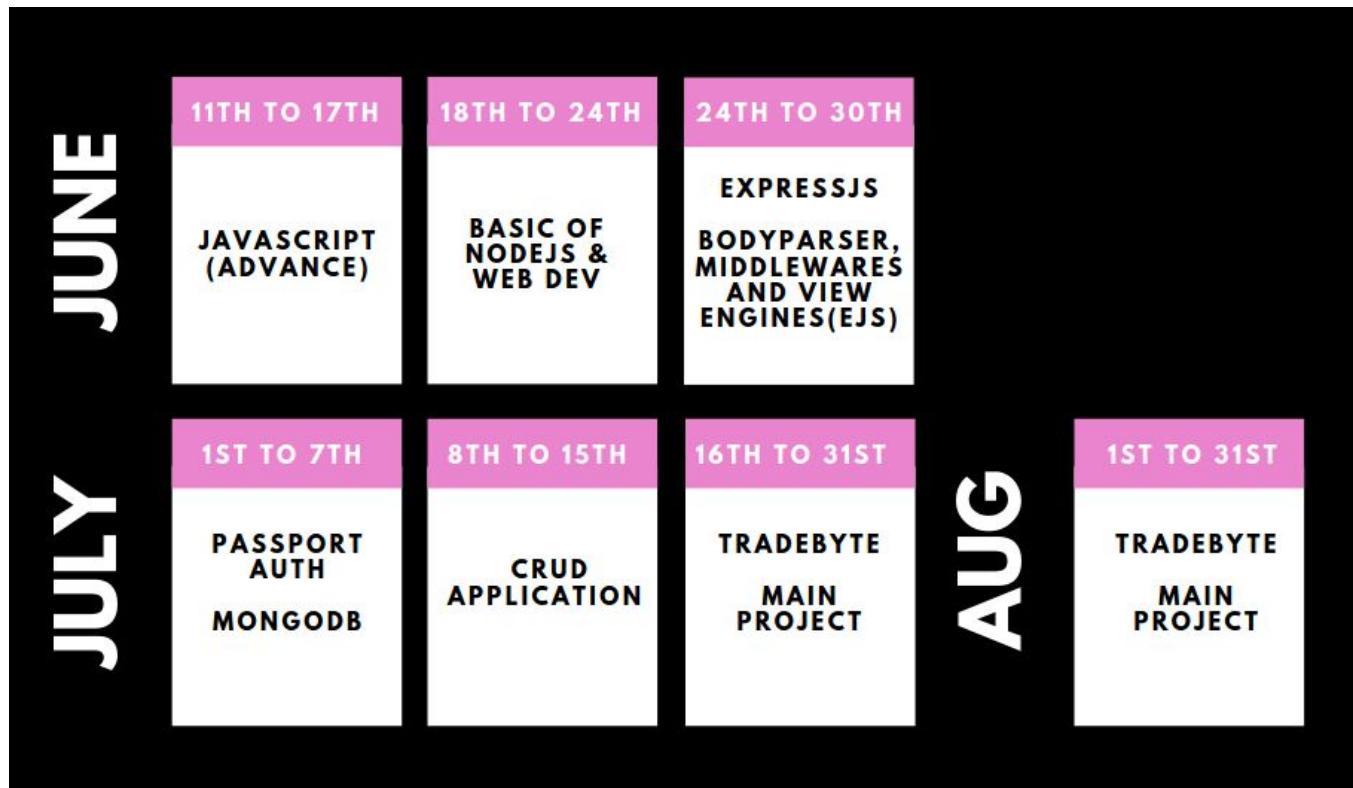
Week 1	<i>Javascript (advance)</i>
Week 2	<i>Basic of Nodejs & Web Dev</i>
Week 2	<i>Getting started with Nodejs</i>
Week 3	<i>Expressjs</i>
Week 3	<i>Bodyparser, Middlewares and View engines(EJS)</i>
Week 4	<i>Passport Authentication</i>
Week 4	<i>MongoDB</i>
Week 5	<i>CRUD Application (with Heroku Deployment)</i>

From week 6 till the end we will work on the main capstone project **TradeByte** from scratch to deployment.

Learning Strategy:

We will use Github to provide them custom-built resources and to track their performance and to conduct quizzes and assignments also use Google Meet for video conferencing with them to solve their doubts

Tentative Timeline (Month Wise):



June: As the majority of participants are new in nodejs June is completely for learning advanced javascript and nodejs basics.

July: Half of the month is reserved for the learning plan after 15th July the project is divided into parts and participants are assigned per part from the end of the month will try to build the basic architecture for the project.

August: Will first complete the project and in the remaining time, we work on the deployment of it.

Repo Link: <https://github.com/iampavangandhi/TheNodeCourse>