The Online Judge
(The Online Code Judge/Submission Platform)

(HLD)- Day 0 of the mega project

Tech Stack:

Frontend -> FreameWork -> Next.js,
  -> Styling -> TailwindCss,
  -> Language -> typeScript,

Main Components -> Home page,
  -> Authorization pages (login, register, signup)
  -> User Dashboard,
  -> Code Editor,
  -> list of questions page,
  -> Ongoing, resent Contests page, and many
more…

Backend-> Tech Stack -> Node.js, Express.js, jwt, and many
more…

Major models (Schemas) -> User,
  -> Problem statements and solutions,
  -> Contest,
  -> Test Case, etc

Major Controllers (Actual Logic) -> User,

-> User dashboard,

-> Code Judge (verdict logic),

-> Problems and solutions,

-> Contest,

-> Leader board, etc

Major Routes (API) -> domain_Name/user -> user profile

-> domain_Name/dashboard -> user Account,

-> domain_Name/contest -> all contest(both ongoing and completed)

-> domain_Name/practice/:problemId -> Code editor

-> /login, /signUp, /logout, etc.

DataBase -> MongoDB,

Version Control -> GitHub,

Containerization -> Docker,

Deployment -> AWS,