

## SSD-AE2

### GuideLK

#### Planning & Documentation

- Planning & documentation
- Robustness Diagram
- Sequence Diagram
- UML Diagram
- Use Case Diagram
- Activity Diagram
- ER Diagram
- Class Diagram
- Initialising version control on Github

#### Backend Development

- Springboot Initialization
- Adding maven plugins and depend...
- Initialising Postgres
- Creating Dockerfile and docker-co...
- Initialising MVC architecture
- Adding Spring Data JPA
- Adding JPA Query factor
- Adding Hibernate
- Adding Query DSL
- Creating CRUD API endpoints
- Adding JWT authorization

#### Frontend Development

- Creating UI prototypes
- Researching on frontend framewor...
- Initialising Node.js
- Initialising Angular, TailwindCSS an...
- Adding necessary npm packages to...
- Developing the webpages accordin...
- Adding TailwindCSS dark mode to ...
- Configuring Angular routing
- Testing API's using postman
- Creating Authguard for protected r...
- Developing JWT frontend
- Utilising Angular pipes and intercep...

#### Testing + Revision

- Creating sample test cases
- Configuring JUnit test cases
- Acceptance testing
- Black-box testing
- White-box testing

#### Deployment Phase

- Setting up project on Azure
- Docker containerization on Azure p...
- Initialising CI/CD pipeline

