

Common Questions	LMS UI – Asite (Angular, PrimeNG)	Junior SE (Asite)	Web-IFC Viewer (Three.js + Angular)	RAS Finance Website (Freelancing)	Acquire Conveyancing Website (Freelancing)	Kiwi Finance Website (Freelancing)	Angular+Nest.js Boilerplate	Desktop Music Player
Challenges	<ul style="list-style-type: none"> • Create common table for supporting multi-line headers, paginators, in-line edit and multiple data formats • CORS Error • Integrating Angular’s frontend in Spring backend 	<ul style="list-style-type: none"> • CDE: develop a highly customizable tree-based dropdown, as a substitute for ‘select2’ library. • Selection chips, lazy loading, intermediate state, synchronizing with other instances to prevent duplicate selection 	<ul style="list-style-type: none"> • Setup a three.js scene within angular component • Temporary file upload functionality on server • Extracting element tree • Searching through IFC tree 	<ul style="list-style-type: none"> • Integration of Google sheets with contact us form in their website • Email trigger for contact us form fill up • Integration of Third-party finance calculators 	<ul style="list-style-type: none"> • Email trigger for contact us form fill up • Highly animated website 	In Progress...	<ul style="list-style-type: none"> • Reduce docker image file size • Automate script for building full stack web app • Managing env files 	<ul style="list-style-type: none"> • Merger of UI in angular, backend in express and wrapping this full stack in Electron.js for a desktop app
Mistakes / Failures	<ul style="list-style-type: none"> • Had to restart entire project from Materials to PrimeNG, for better UI 	<ul style="list-style-type: none"> • Initial implementation was ad-hoc, factorial complexity for maintaining selection 	<ul style="list-style-type: none"> • Parsing IFC text file at runtime for every search, tree node 	<ul style="list-style-type: none"> • No use of supporting UI library – time consuming 	<ul style="list-style-type: none"> • Not choosing a reliable hosting service 	In Progress...	<ul style="list-style-type: none"> • Improper Dockerfile lead to large image size 	<ul style="list-style-type: none"> • Very large build for ubuntu • No icon of app
Enjoyed	<ul style="list-style-type: none"> • Success of Project • Security of project, with roles and privileges • Seamless integration of Sprint-boot API 	<ul style="list-style-type: none"> • Working in Agile • Crafting Figma into reality • Bug finding 	<ul style="list-style-type: none"> • Learning Three.js • Learning IFC and BIM files 	<ul style="list-style-type: none"> • Implementing refresh token-based security 	<ul style="list-style-type: none"> • Exploring AOS, tailwind 	In Progress...	<ul style="list-style-type: none"> • Full stack production ready project • Learning docker, nginx 	<ul style="list-style-type: none"> • File system manipulation • Learning electron.js
Leadership	<ul style="list-style-type: none"> • Lead the UI team of 11 members for LMS project • Creation of boilerplate for LMS and task distribution 	<ul style="list-style-type: none"> • Led a 2 member-team for a temporary project ‘asset-management’ • Configured a new module for the same in our app 	<ul style="list-style-type: none"> • One-person project 	<ul style="list-style-type: none"> • One-person project 	<ul style="list-style-type: none"> • One-person project 	<ul style="list-style-type: none"> • One-person project 	<ul style="list-style-type: none"> • One-person Project 	<ul style="list-style-type: none"> • One-person Project
Conflicts	<ul style="list-style-type: none"> • Decision to change UI from Angular Materials to PrimeNG raised conflicts within team • Took a vote on the flexibility of implementation and looks of components, lead to choose PrimeNG 	<ul style="list-style-type: none"> • Minor conflict with BA team for changing the requirement in structure of “record retention form” 	<ul style="list-style-type: none"> • Revit files should be supported, but they are encrypted • Had to explain this to my tech lead 	<ul style="list-style-type: none"> • They needed an articles page, for that I need to explicitly develop a basic CMS for articles management 	<ul style="list-style-type: none"> • Not much 	In Progress...	<ul style="list-style-type: none"> • Not much 	Not Much
What You’d Do Differently	<ul style="list-style-type: none"> • Carefully selected UI library at beginning • Configured the project as a whole Sprintboot + Angular, rather than just standalone frontend 	<ul style="list-style-type: none"> • Periodically ask/propose for changes in early stages of development 	<ul style="list-style-type: none"> • Caching, parsing IFC files at the time of loading 	<ul style="list-style-type: none"> • Created a website from a responsive template 	<ul style="list-style-type: none"> • Choose a reliable frontend and backend hosting 	In Progress...	<ul style="list-style-type: none"> • Build a project with microservice architec 	Build the backend for files and APIs directly with electron without needing express.js