COMP 2406 Workshop Syllabus

	Date	Topics	Concepts
1	1/20	Overview Git HTML and CSS	Roadmap Basic concepts Building layouts Create basic project home page
2	1/27	Advanced HTML and CSS	Flexbox Media queries Bootstrap Build and style project home page
3	2/3	Introduction to React	Basic concepts JSX Components State Lifecycle methods Build assignment 1 with React in CodeSandbox
4	2/10	Project Setup TypeScript Build Tools	Create React App Module bundlers (Webpack) Linters (ESLint) Formatters (Prettier) Compilers (Babel) Set up project
5	2/24	Advanced React	Hooks Styling (CSS in JS) Redux React Router Create routes and pages for project
6	3/2	Introduction to GraphQL	Basic concepts Queries and mutations Schemas and types GraphQL server Build GraphQL backend for project with Apollo Server

7	3/9	Advanced GraphQL	Data fetching GraphQL client Add data fetching to project with Apollo Client
8	3/16	Docker Databases	Containers SQL vs NoSQL MongoDB Add database to project
9	3/23	Authentication in GraphQL	JWT Sessions Cookies OAuth (Google/Facebook) Implement authentication and sessions in project
10	3/30	Deployment Backend Architecture	AWS Serverless and microservices Deploy project with AWS
11	4/6	React Native	Basic concepts Expo Mobile development