

DESIGN MODEL AND LAYOUT ADR

CONTEXT:

Good development practices requires Separation of Concerns (SoCs) to enable the development of robust code

PROBLEM:

Source code can become unreadable, long and difficult to edit - making testing and maintenance difficult

SOLUTION:

The Front End utilises a Model-View-ViewModel View (M-V-VM) architecture pattern

- Model abstracts html methods for API calls
- View-Model utilises model methods to dynamically update views i.e. html pages
- View refers to the html pages served to the app user

The Back End Utilizes a Layered Architecture

- Repositories abstracts SQL server database access commands
- Services utilises repositories to create fetch relevant information
- Routes utilises services to fetch information required by API calls for client