# Code repository in GitHub

<https://github.com/tonymathewt/AroDigital/tree/main/Aro.Bookings>

# Aro.Bookings.Api

Web Api project written in .Net core (6). I have used Automapper for mapping entities (from data layer) to Dto objects.

# Aro.Bookings.Services

Contains the repositories for data fetch using EntityFramework Core code-first approach.

* DB Migration files in the migration/ folder.
* .sql files for initial data seeding during startup in Resources/ folder.
* Connection string to connect, create and migrate DB (for first time) is in appsettings.json (Line 11) of the Web Api.

Note: Present connection string points to SQL Server in a docker container. Pointing to a server and running the app should ideally create a DB, perform the migration and seed data.

# Aro.Bookings.UI

The front-end side written in Angular/Typescript. I have not looked much react previously.

# Functionalities achieved

* The first page to perform searching and filtering. Made it responsive to accommodate on both mobile and PC screens.
* Detail page on showing the details of the selected hotel. This includes features of the hotel and room (types) available including price.

# Still left out

* Paging on client-side, though the server side supports paging
* Collapsible search control in mobile view. This control is now static
* Apply theme/fonts

# Data Model

The DB diagram can be found here: <https://github.com/tonymathewt/AroDigital/blob/main/Database%20Diagram.png>

|  |  |
| --- | --- |
| **Table** | **Description** |
| Hotel | Master table for hotel details |
| RoomType | Master table for room type eg: Deluxe King Room |
| Room | A room type configuration. Same room type could be configured differently |
| RoomTypeBed | Beds info on room type |
| RoomTypeImage | Holds images of room type |
| RoomChoice | Associated choices of a room |
| RoomTypeFeature | Associated features of a room type |
| HotelRoom | Association b/w hotel and room |
| HotelImage | Holds images of hotel |
| HotelFeature | Associated features of a hotel |
| Choice | Master table for choices/facilities |
| Feature | Master table for features |