# **PROJECT MARRIOTT REFERENCE DOCUMENT**

* The solution Project Marriott comprises of the two below given Projects.

1. PROJECT MARRIOTT MVC PROJECT

MVC Project will comprise of the entire web application functionality in totality. The entire website is built using MVC. The ‘Make a Reservation’ interface is entirely using MVC framework to make the hotel bookings.

1. PROJECT MARRIOTT WEB API PROJECT

Web API project is to expose endpoints to the user to check the availability of the rooms. ‘Check Availability’ functionality is implemented using the Web API framework in MVC Project.

* Instruction for running the application:

1. The application start point has been set in the properties such that both the projects will be started simultaneously
2. The Web API is hosted: <http://localhost:51947/>
3. On the start of application, the user can see the following options
   1. Home
   2. Rooms and Tariff
   3. Gallery
   4. Make a reservation
   5. About
   6. Contact
4. User can check for the availability of the rooms by providing the necessary details on the home page without any login credentials. (This part of the application is done by using the Web API)
5. To book the rooms, user needs to register and login using his/her credentials (This is done by using the Authentication Middleware).
6. Once the user logs in, his/her session starts which is of 60 minutes(Session time is set in the session services in startup.cs)
7. User needs to enter the following details for booking
   1. CheckIn Date
   2. CheckOut Date
   3. No of Adults
   4. No of Children
   5. No of Rooms
8. Check rooms :
   1. User needs to provide the inputs and validation checks are done for the check-in and check-out date
9. Choose rooms:
   1. User needs to select one of the rooms
10. Reservation:
    1. User needs to provide all the details and submit to make the reservation
11. Confirmation
    1. Reservation summary can be seen on this page.
12. Booking History : User will be able to see the history of booking
13. Apart from booking the user can navigate to different menu such as Gallery, Rooms and Tariff, About and Contact