EAD CA2 PROJECT

C & S FACILITIES MANAGEMENT  
PROJECT SCOPE

**April 3, 2018**

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**PROJECT BACKGROUND AND DESCRIPTION**

C&S Facilities Management provide meeting room booking services to client companies. They require a web service to manage meeting rooms and room bookings.

System admin can create, update, delete meeting room data.

Users can view the characteristics of the available rooms e.g.. size, location, equipment.

Users can book a room within available time slots e.g. Mon – Fri, 8.00-18.00

Users can cancel or update their booking.

Users can view their booking history.

|  |  |  |
| --- | --- | --- |
| Project Plan | | |
| Week Commencing | Tasks |  |
| 9th April | Upload Proposal to Moodle  Create Project Base  Push on GitHub  Create Classes– Models (Booking +Meeting Room)  Create Classes – Models (User/Authenticate)  Create Database (EF Code First) | Complete  Complete  Complete  Complete  SJ/CVD  SJ/CVD |
| 16th April | Define REST Service methods – Controllers  CRUD |  |
| 23nd April | URI Addressing Scheme  Swagger?  Define Views |  |
| 30th April | Create Console App to call operation & display results of analysis |  |
| 7th May | Unit Testing  Scale |  |
| 14th May | Deploy on Azure |  |

TaskList

Register

Login

Manager Administrators

Meetings Rooms

* See Meeting Rooms
* Get Meeting Room Details
* Create Meeting Room
* Update Meeting Room
* Delete Meeting Room
* Check Room Availability (ISRoomAvailable)

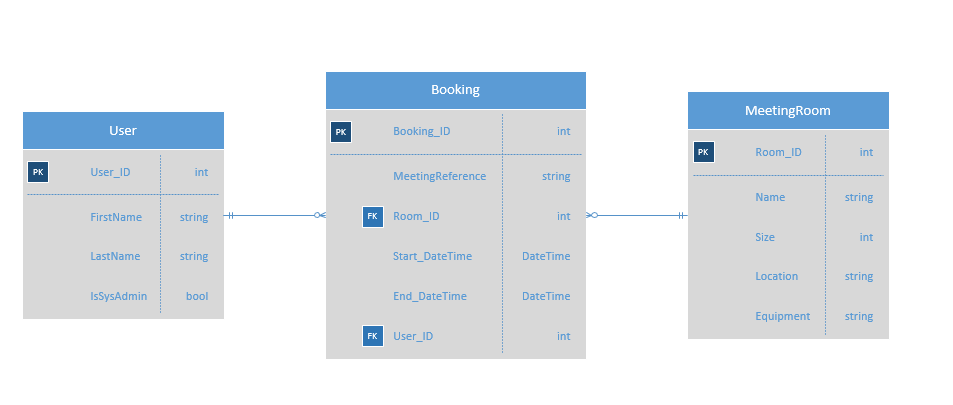
Home

* Index
* About
* Contact. Remove?

Bookings

* Index
* View My Bookings
* View All Bookings
* Create Booking
* Edit a Booking
* Cancel a Booking

Database Design



Data Design

Meeting Room Data (Enums?)

|  |  |  |  |
| --- | --- | --- | --- |
| Location | RoomID  (Name not required?) | RoomType or Size? | Equipment (Flexi or Fixed?) |
| One Spencer Dock | North Wall  Royal Canal  Grand Canal  River Liffey | Boardroom 20  U-Shape 18  Square 8  Round 4 | **Wi-Fi Projector Conference Phone White Board**  Wi-Fi Projector Conference Phone White Board  **Wi-Fi Conference Phone White Board**  **Wi-Fi Conference Phone** |
| Two Spencer Dock | Guild Street  Sheriff Street  Point Village | Theatre 50  Square 12  U-Shape 24 | **Wi-Fi Projector**  Wi-Fi Conference Phone White Board  Wi-Fi Projector Conference Phone White Board |

Booking + Test Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User ID | BookingID | MeetingRef | RoomID | Day / Date | StartTime | EndTime |
| Jane Smith PWC | 1001 | PWC May Board Meeting | North Wall | Tuesday, 15/5/18 | 9.00 | 17.00 |
| Paul Dunne Point | 1002 | Point Management meeting | Sheriff Street | Monday, 14/5/18 | 15.00 | 17.00 |
| Ben Jones RG5 | 1003 | RG5 Weekly Sales Meeting | Point Village | Friday, 18/5/18 | 11.00 | 14.00 |
| Michelle Ryan PWC | 1004 | PWC Staff Briefing | Guild Street | Wednesday, 16/5/18 | 9.00 | 15.00 |
| Jane Smith PWC | 1005 | PWC Michael O’Neill | River Liffey | Tuesday, 15/5/18 | 15.00 | 16.00 |
| Shane Kelly Point | 1006 | Point Events Review | Grand Canal | Wednesday, 16/5/18 | 9.00 | 17.00 |
| Mark Duggan Gibson | 1007 | Gibson Client x569 booking | Guild Street | Thursday, 17/5/18 | 10.00 | 18.00 |
| Jane Smith PWC | 1008 | PWC Audit Partner Induction | Grand Canal | Monday, 14/5/18 | 10.00 | 15.00 |
| Mark Duggan Gibson | 1009 | Gibson Client x453 booking | Sheriff Street | Thursday, 17/5/18 |  |  |
| Shane Kelly Point | 1010 | Point Strategy Review | Royal Canal | Friday, 18/5/18 |  |  |

Test Scenarios

|  |  |  |
| --- | --- | --- |
| Test | Expected Outcome | Actual Outcome |
| **Tests: System Admin** | | |
| Create User | New User is set up |  |
| Create Meeting Rooms | New User is set up |  |
| Read User – verify data |  |  |
| Read Meeting Room - verify data |  |  |
| Update User – change data and check data update |  |  |
| Update Meeting Room - change data and check data update |  |  |
| Delete User – delete user and check data update |  |  |
| Delete Meeting Room - delete Meeting Room and check data update |  |  |
|  |  |  |
|  |  |  |
| **Tests: User** | | |
| Try to book North Wall meeting room on 15/5/18 from 13.00-15.00 | Error message: This room is booked.  No change to Available Room View |  |
| Try to book a room with an invalid user id | Error message: You are not authorised to use this booking system. Submit user request. |  |
| Try to book a room that does not exist | You cannot pass the drop-down selection. |  |
| Try Book a room with incomplete data | Error message: x data is required. |  |
| View available rooms on Tuesday 15/5/18 for all rooms |  |  |
| View availability of River Liffey room |  |  |
|  |  |  |
| View all bookings in all rooms |  |  |
| View own bookings |  |  |
|  |  |  |
|  |  |  |