**User app Functional requirements.**

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| Req.ID | Requirements Description |
| FR.01 | The app must allow user to show all the restaurants nearby their **location**. |
| FR.02 | The app must allow user to choose their favourite cuisine type. |
| FR.04 | The app must allow user to choose a **time** for when they want to book a table. |
| FR.05 | The app must allow user to give an option to choose how many people they would want to book table for. |
| FR.06 | The app must allow user to display availability of the tables inside the restaurant. |
| FR.07 | The app must allow user to pick the table of their choice and reserve it, only if they are available. |
|  | The app must allow users to enter any comments they have regarding the booking, in the ‘comment box’. |
| FR.08 | The app must display the contact details and other information e.g. address; of the restaurant if the users wish to contact the restaurant directly. |
| FR.08 | The app must allow users to enter their name, email and their phone number if the restaurant needed to contact them. |
| FR0.09 | The app must automatically send user a text and an email to saying that the booking has been booked. |

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| Req.ID | Non-Functional Requirements Description |
| NFR.01 | **The app must load up information quickly.** |
| NFR.02 | **The app must look good and interactive.** |
| NFR.03 | **The app must work on all android mobile devices.** |
| NFR.04 | **The app must list all restaurant in specific areas.** |
| NRF.05 | **The app must allow users to book tables at any time and from anywhere.** |
| NRF.06 | **The app must allow admins to see the bookings from anywhere at any time.** |

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| **The user app will use firebase and have 7 screens.** | |
| **Home Screen** | * **Displays App Logo** * **Asks user for permission to use their location** * **Allows users to enter their postcode** * **Offers user to retry if the postcode is invalid or unrecognizable by the app.** |
| **Lists of Restaurants screen** | * **Displays options of different cuisine types of restaurants e.g. Indian, Chinese ,Italian etc.** * **Allows user to select the cuisine type they want to book a table for.** * **Displays all lists of restaurant nearby the location chosen by users.** * **Allows users to select the restaurant and automatically takes the user to Reservation times page.** * **Back button to go back and change the location if the user wishes to do so.** |
| **Available Reservation times/date**  **e/number of peoples Screen** | * **Allows user to enter for how many people the booking is for.** * **Displays the availability times for that amount of bookings.** * **Allows users to select the time and date that they wish to reserve for.** * **Back button to go back if they wish to change the restaurant.** |
| **Restaurant Tables Available Screen** | * **Displays the table plans inside of the restaurant** * **Displays green and red for each tables; green for available to reserve and ‘red’ for table already reserved.** * **wouldn’t allow the users to select the tables that has been already reserved.** * **Would allow the users to select the available tables.** * **Offers the option which will notify the users if the table gets cancelled.** |
| **Reservation Confirm screen** | * **Displays the summary of the booking before clicking confirm button.** * **Option to clear the reservation and start a new one.** * **Confirm button to confirm the existing booking.** * **Allow users to enter their Phone number and email address for booking confirmation.** |
| **Help section** | * **Provides email and telephone number for** |
| **Firebase** | * **Maintains Real-time Database.** * **Makes connection within the Restaurant app and Users app.** * **Updates the Tables availability after the reservation has been made or cancelled.** * **Uses notifications to alert users.** * **Uses cloud messaging to send emails for confirmation of bookings.** |

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| **The Admin app will use firebase and have 3 screens.** | |
| **Home Screen** | * **Displays App Logo** * **Allows admins to enter username and password.** * **Offers retry if the username or password is incorrect.** * **Offers ‘Forgot my password’ service if the admins forgets their password.** |
| **Your restaurant screen.** | * **Displays the tables that has been reserved as Green.** * **Displays the tables that aren’t reserved as Red.** * **Allow admins to go to previous and future bookings dates.** * **Allows admins to touch the reserved tables and see if any comments are left from the customers** * **Allow admins to manage and move tables around interactively.** * **Automatically updates with notification if the tables are reserved or cancelled.** |
| **Admin Account settings screen** | * **Allows admins to change, update their account details.** * **Allows admins to log out of their account.** |
| **Firebase** | * **Uses real-time database.** * **Makes connection within the Restaurant app and Users app.** * **Updates the Tables availability after the reservation has been made or cancelled.** * **Uses notifications to alert Admins.** * **Allows admins to send an confirmation email/text messages.** * **Uses cloud messaging to send emails for confirmation of bookings.** |

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| Req.ID | Requirements Description |
| FR.10 | The App must allow admins to log in and log out of their accounts. |
| FR.11 | The app must allow admin to check the bookings made by the users. |
| FR.12 | The app must allow admin to show the users email and phone number. |
| FR.13 | The app must allow admin to edit and updates the tables. |
| FR.14 | The app must allow admin to whether accept the reservation or cancel it. |
| FR.15 | The app must allow admin to input the bookings manually. (bookings which aren’t made through the app). |

**Admin App Functional requirements**