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***Title Page***

**Software Requirement Specification**

**Project Charlie**

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***introduction***

1. Project Charlie is a gathering enrolment application that I created through my recently discovered information in coding. Clients will actually want to enrol for a gathering utilizing this application. To sign clients in for a gathering, this application needs their own data. The fundamental data is as per the following: (Full name, Contacts, meeting date, time and point and who the clients might want to meet). When utilizing Project Charlie, the information of the enrolled clients is gathered, and It likewise encourages clients to clear their data whenever when fundamental. Variable and mathematical capacities are both remembered for these capacities. These highlights were added to make it simpler for clients to see information while working with the program and entering new information, for instance. The program likewise checks whether the entered data is right, permitting clients to handle solid data to acquire precise information from their customers.

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**Design Considerations**

One of Project Charlie's main goals is to make the program as user-friendly as possible. I consider using simple and basic colour combinations when designing programs, and I use labels were necessary to help users with the registration requirements. The program is set up in such a way that it first asks for the user's information, then the meeting's information. The users' user inserts the information inside the empty boxes which are white, but if they enter something which does not meet the requirements, the program will turn red to alert the users that they have made an error. Once it has been filled out to the satisfaction of the program's requirements, click the sign-in button to complete the process.

This application was created using the C# programming language. This program is simple to install on any computer. The program has a very high level of accessibility. The users will be able to use all the features, and the details will be saved in a list that can be removed once the meeting is completed.

Finally, this type of application requires numerous verifications. The most important step is to validate the contact information; the information must be 100 percent accurate to ensure privacy. It appears that the project Charlie's ability to obtain 100 percent valid email and mobile number is limited. The Charlie Project is not linked to an online operator that could verify the users' email addresses and phone numbers.

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**Functionality Requirements**

The functions for this application are critical to running the software smoothly and without errors. Under the sign in buttons, you will find all the login options. In order to sign in, all fields must be completed.

* The first function is that if the sign in button is pressed when an empty or unselected field is selected, the software will not sign the user in and a message box will appear informing the user of the error, as well as the field turning red.
* Second, if the user enters any numbers or signs in the first or last name field, a message box will appear to inform them of their error, as legal first and last names do not contain numbers or symbols for the program to function.
* Third, if a user enters any letters or symbols in the mobile number area, a message box will appear reminding them of their error, as any legitimate mobile number does not contain letters or symbols.
* A message box will appear if a user's input does not meet the specified requirement. The fourth feature also refers to the mobile number section. According to the NZ mobile number operating system, a valid NZ mobile number must be only ten digits long and must begin with 0, so if a user's input does not meet the mentioned requirement, a message box will appear.
* The fifth feature extends to the email segment, requiring that a valid email address include @gmail.com, @yahoo.com, or another similar domain, but if a user's input does not fulfil this requirement, the software may display an error message.
* The sixth feature is applied to the date field to prevent the user from choosing a date that is no longer appropriate for a meeting.

When the sign in button is clicked, however, none of the functionality is activated, indicating that all the entered information satisfies the program's specifications, and all the details will be collected in the form of variables and shown in the list. As the information are moved to the list, all the areas will be reset.

There are two more buttons on the page that enable users to remove items from the list.

One button allows the user to delete a particular detail from the list, and if the button is pressed without a detail selected, a message box appears to remind the user to do so next.

The other button clears all the information at once.

When either button is pressed when the list is empty, a message box appears informing the user that the list is empty and the buttons are disabled.