**Functional Specification**

**Draft Version: 00**

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**History:**

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| --- | --- | --- |
| **Name** | **Date** | **Reason for change** |
| Ramesh Babu | 23-Oct-2016 | Patient explorer web page development |
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* It shall be possible to store the patient information in database permanently using save button [[ref 1].](#_top)
* It shall be possible to retrieve the patient information from database whenever required using load button [ref 1]
* The dialog has to be displayed as mentioned in the **Figure 1**
* It shall be possible to minimize the patient explorer dialog by clicking on **–** button which is displayed on the top right corner
* It shall be possible to close the patient explorer dialog by clicking on **X** button which is displayed on the top right corner

**UID:**

1. Each patient is assigned with unique id
2. UID shall contain only numbers
   1. If user enters other than expected display error message saying “UID accepts only numbers”
3. The maximum number of digits allowed is 9999999999
   1. If user enters other than expected display error message saying “UID can’t be more than 9999999999”
4. UID shall not contain 0
   1. If user enters other than expected display error message saying “UID can’t be zero”
5. UID shall not contain negative values
   1. If user enters other than expected display error message saying “UID doesn’t accept negative numbers”

**Name:**

1. Name shall not contain special characters
   1. If user enters other than expected display error message saying “Name doesn’t accept special characters other than space”
2. Name shall not contain numbers
   1. If user enters other than expected display error message saying “Name doesn’t accept numbers”
3. Length of the name shall not more than 50 characters
   1. If user enter enters more than 50 characters display error message “Length of the name can’t be more than 50 characters”

**DOB:**

1. Date of birth format shall be in dd/mm/yyyy
2. Date of birth shall not be less than 1866
3. Date of birth shall not be greater than today
4. Date of birth

**Age:**

1. Age shall accept only numbers
   1. If user enters other than expected display error message saying “Age accepts only numbers”
2. Age shall not be given in months
3. Age shall not be more than 150
   1. If user enters other than expected display error message saying “Age can’t exceed 150 years”
4. Age shall not accept negative numbers
   1. If user enters other than expected display error message saying “Age can’t accept negative numbers”

**Sex:**

1. Sex shall accept only either one of the following Male or Female or Other
   1. If user enters other than expected display error message saying “Sex can’t be given other than Male, Female and Other”

**Height:**

1. Height shall accept only in following format Feet’ Inches”
2. Feet shall be between 0 and 9
3. Inches shall be between 0 and 12

**Weight:**

1. Weight shall accept only numbers
   1. If user enters other than expected display error message saying “Weight accepts only numbers”
2. Weight shall not accept negative numbers
   1. If user enters other than expected display error message saying “Weight doesn’t accept negative numbers”
3. Weight shall not accept more than 300kgs
   1. If user enters other than expected display error message saying “Weight doesn’t accept more than 300”
4. Weight shall not accept zero number
   1. If user enters 0 display error message saying “Weight cannot be zero”
5. Weight is in float values
   1. If user enters weight in float display error message saying “Weight cannot accepts float values”
6. Other than above mentioned display error message saying “Weight is not in correct format”

**Birthday:**

1. Birthday shall be calculated based on the provided date

**Address:**

1. Address shall be accepted characters, numbers and any of the following characters like #, ., @
   1. If user enters other than expected display error message saying “Address doesn’t accept any special characters other than #, .(dot) and @”
2. Address should not accept only numbers
   1. If user enters other than expected display error message saying “Address doesn’t accept only numbers”

**Aadhaar No:**

1. Aadhaar number shall accept only numbers
   1. If user enters other than expected display error message saying “Aadhaar number accept only numbers”

**Phone No:**

1. Phone number shall accept only numbers
2. If user enters other than expected display error message saying “Phone number accept only numbers”
3. If user doesn’t enter 10 digit phone number display error message saying “Phone number is not valid”

**Study Type:**

1. Select one of the available study type from the combo box.

The list of study types are “Coronary”, “Paediatric”, “Electrophysiology”

**Mandatory Information:**

When user clicks on save button check for data is present for the following mandatory fields UID, Name, Age, Sex, DOB, Height, Weight, and Address. If either one of the value is missed display message saying “Data is not filled in required fields”

**Save:**

After clicking on the Save button provided data shall be validated and stored in database.

**Load:**

After clicking on the Load button load complete patient data from database based on UUID value and fill the text boxes.

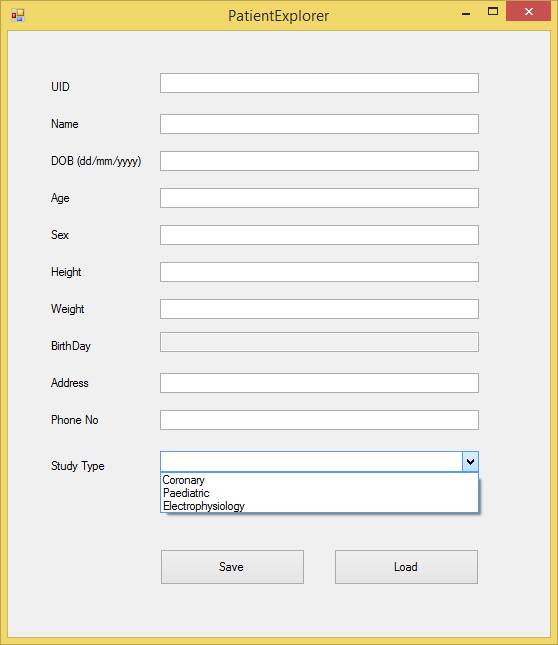


Figure 1

**Patient Explorer Web page**