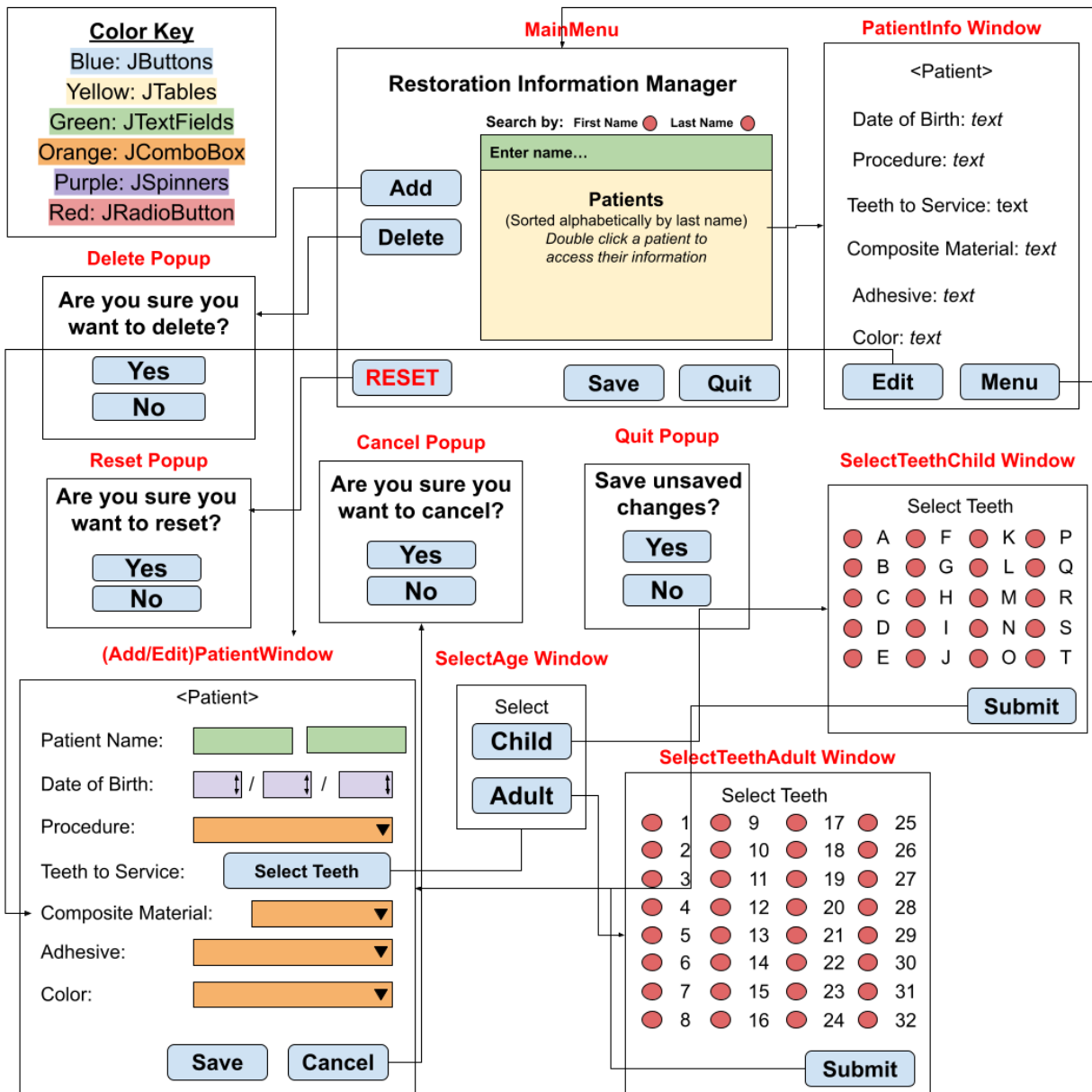


## Criterion B: Design

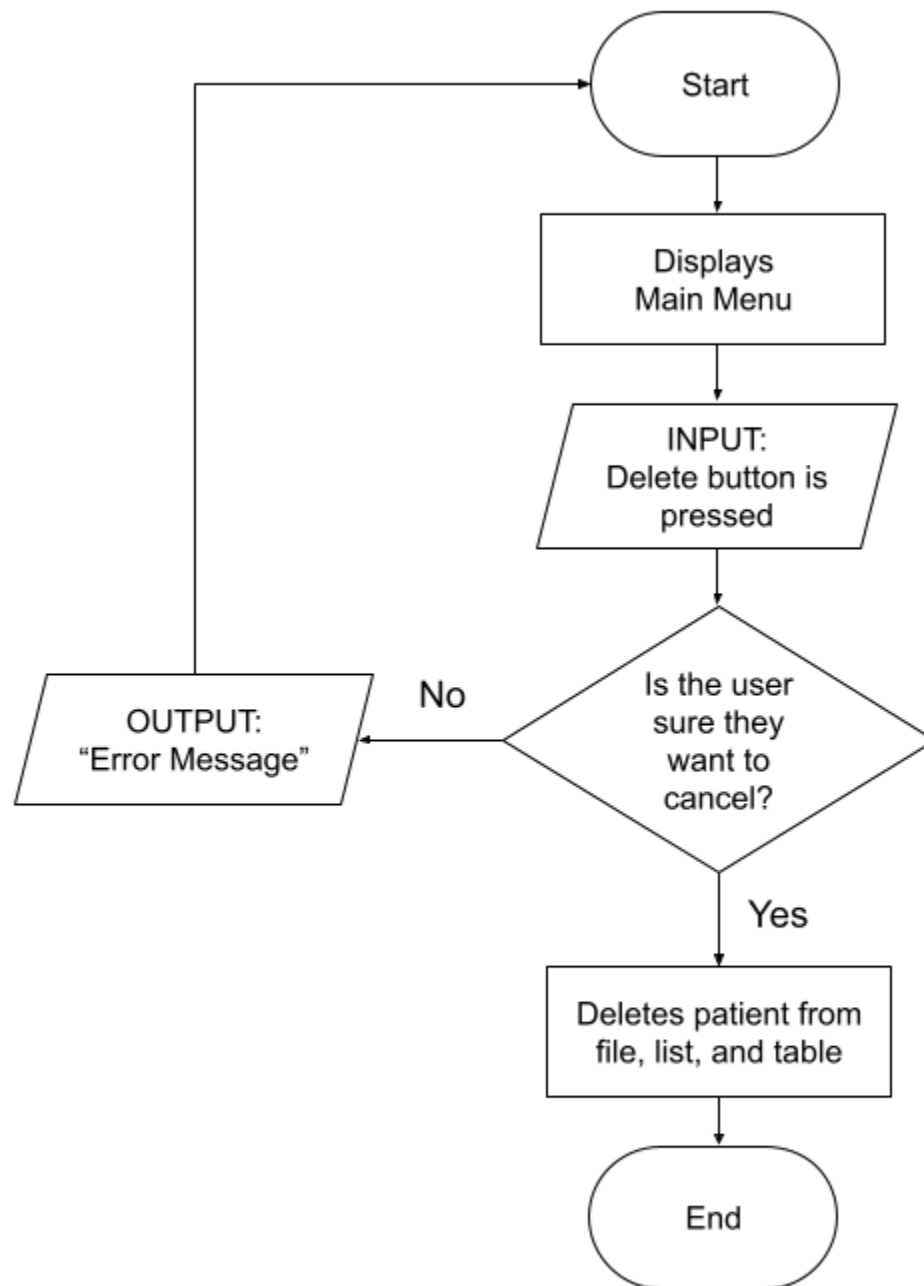
### **Table of Contents:**

<b>1. Complete Diagram .....</b>	<b>2</b>
<b>2. Flowchart 1: Removing a Patient .....</b>	<b>3</b>
<b>3. Main Menu Diagram .....</b>	<b>4</b>
<b>4. PatientInfo Window Diagram .....</b>	<b>5</b>
<b>5. Flowchart 2: Displaying a Patient's Info .....</b>	<b>6</b>
<b>6. (Add/Edit) Patient Window Diagram .....</b>	<b>7</b>
<b>7. Flowchart 3: Adding a Patient .....</b>	<b>8</b>
<b>8. Flowchart 4: Editing a Patient .....</b>	<b>9</b>
<b>9. Select Teeth Windows Diagram .....</b>	<b>10</b>
<b>10. Flowchart 5: Selecting Teeth .....</b>	<b>11</b>
<b>11. UML Diagram .....</b>	<b>12</b>
<b>12. Test Plan .....</b>	<b>13</b>

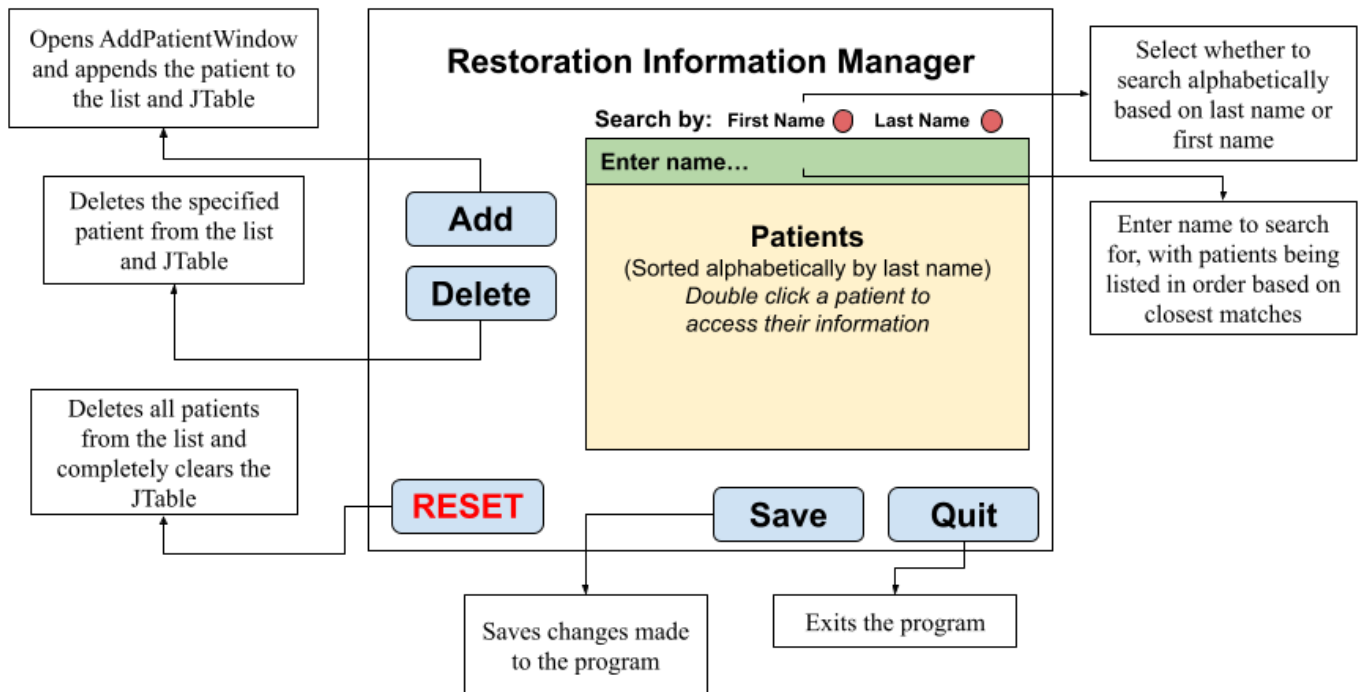
## Complete Diagram



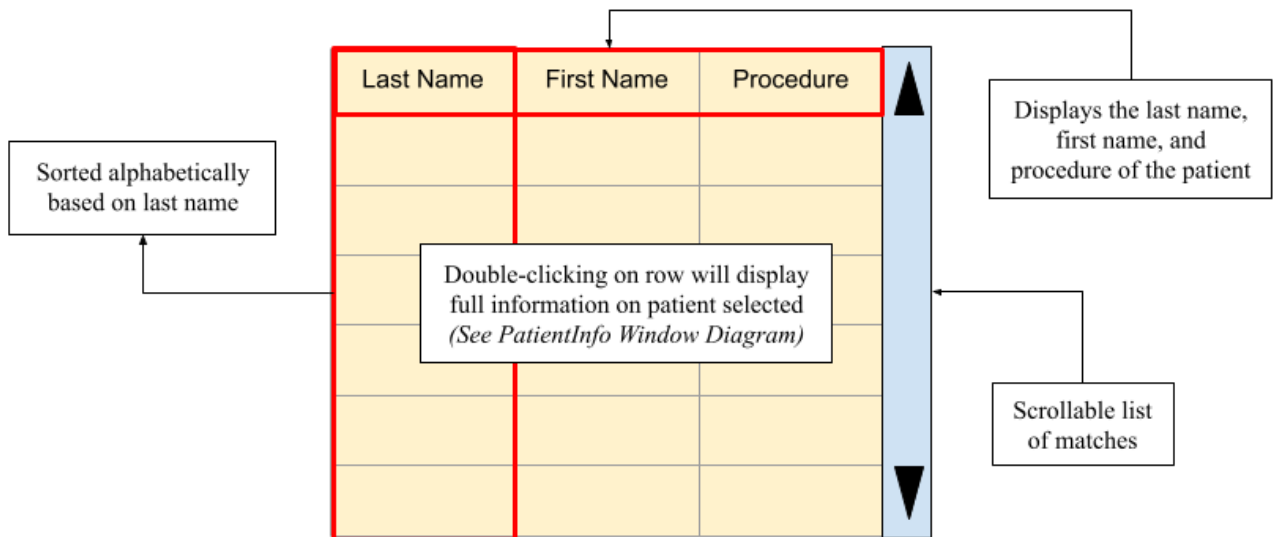
**Flowchart 1: Removing a Patient**



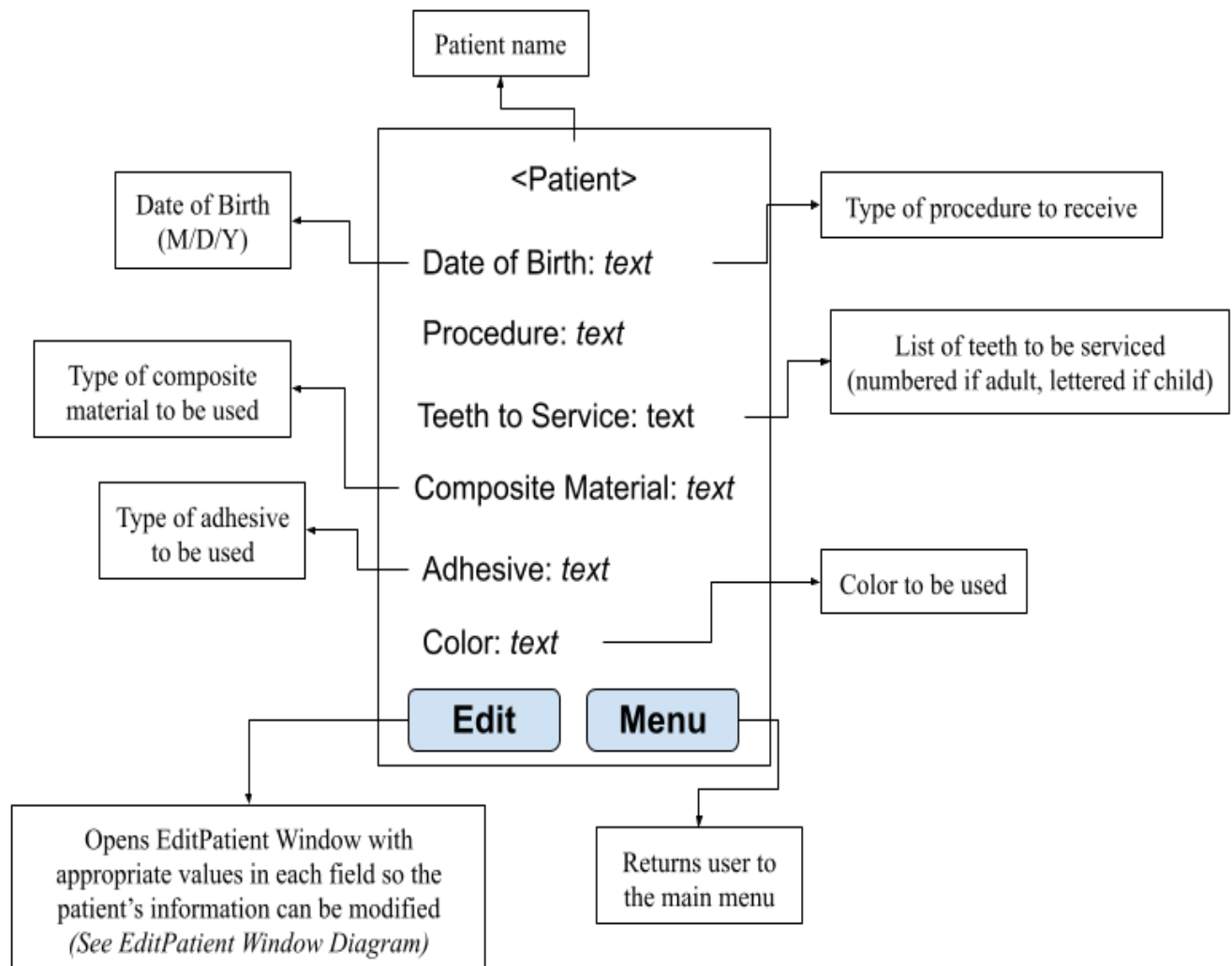
## Main Menu Diagram



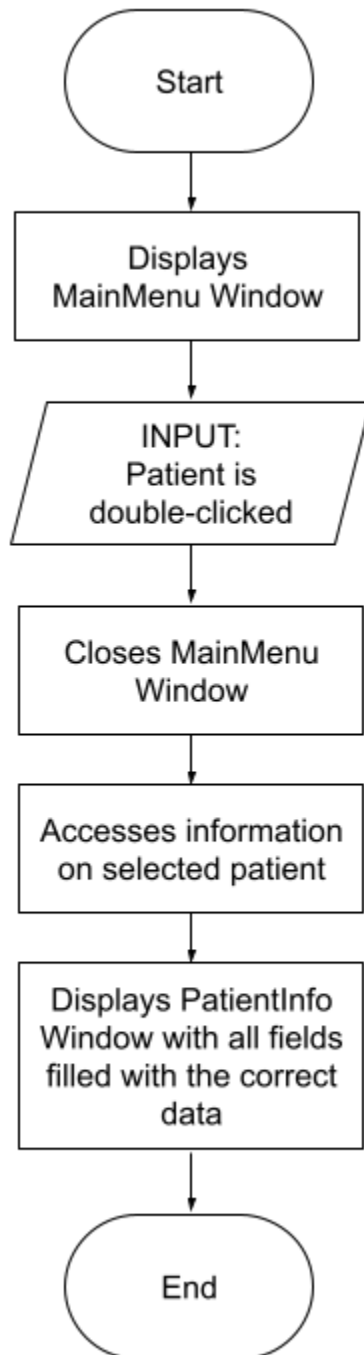
The patients will be sorted into a table like this:



## PatientInfo Window Diagram

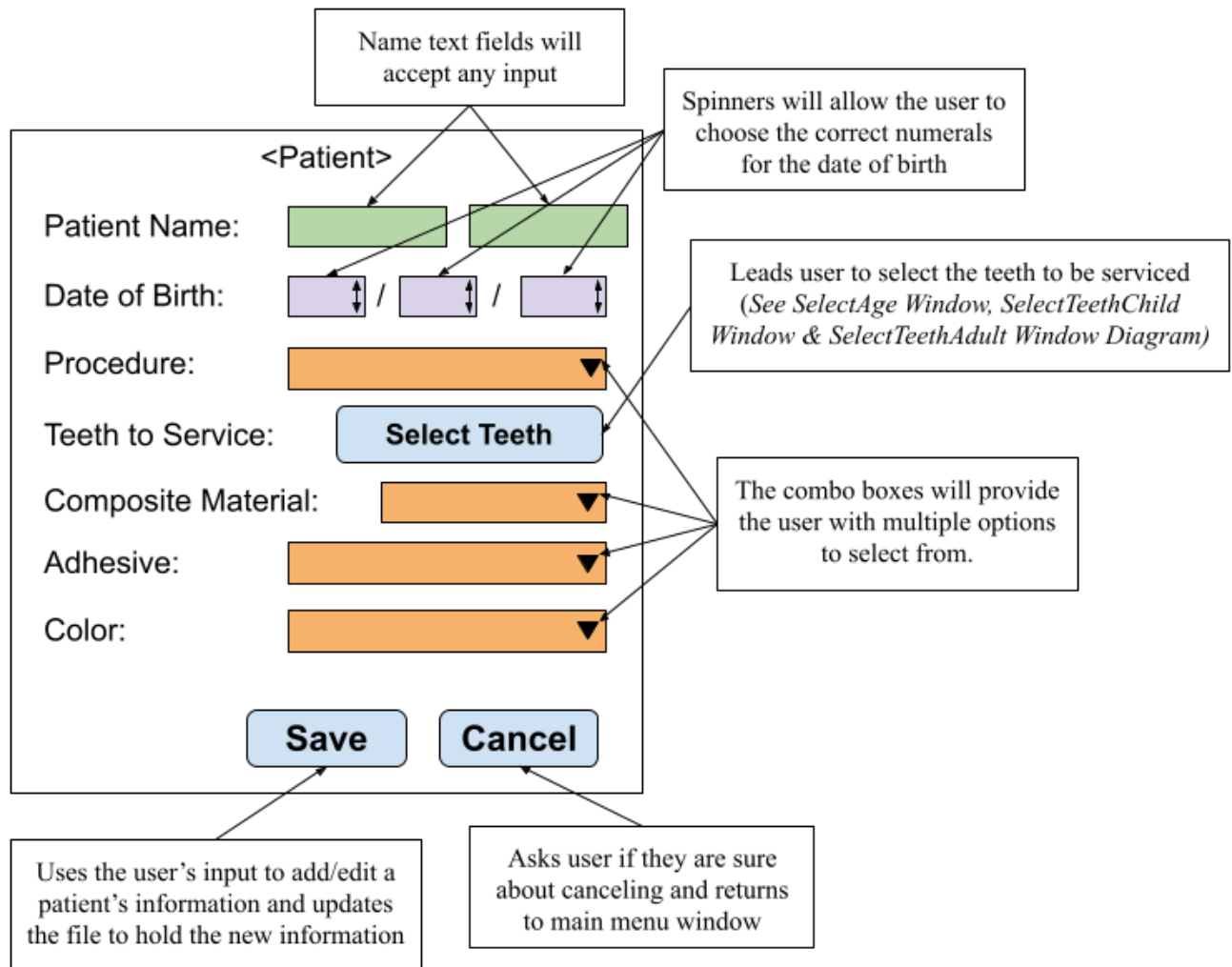


**Flowchart 2: Displaying a Patient's Info**

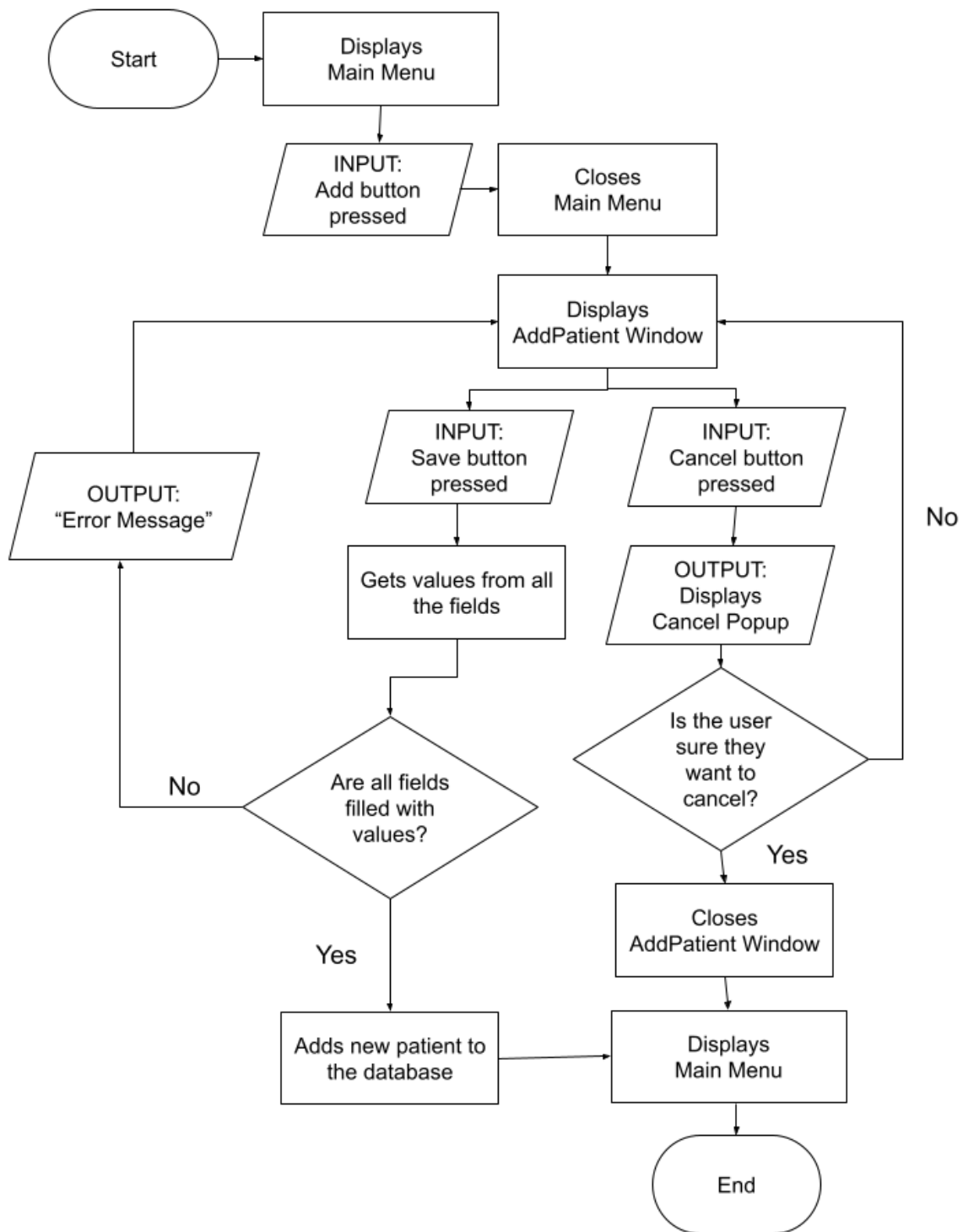


## (Add/Edit)Patient Window Diagram

All fields will be blank when adding a patient and filled with existing patient information when editing a patient.

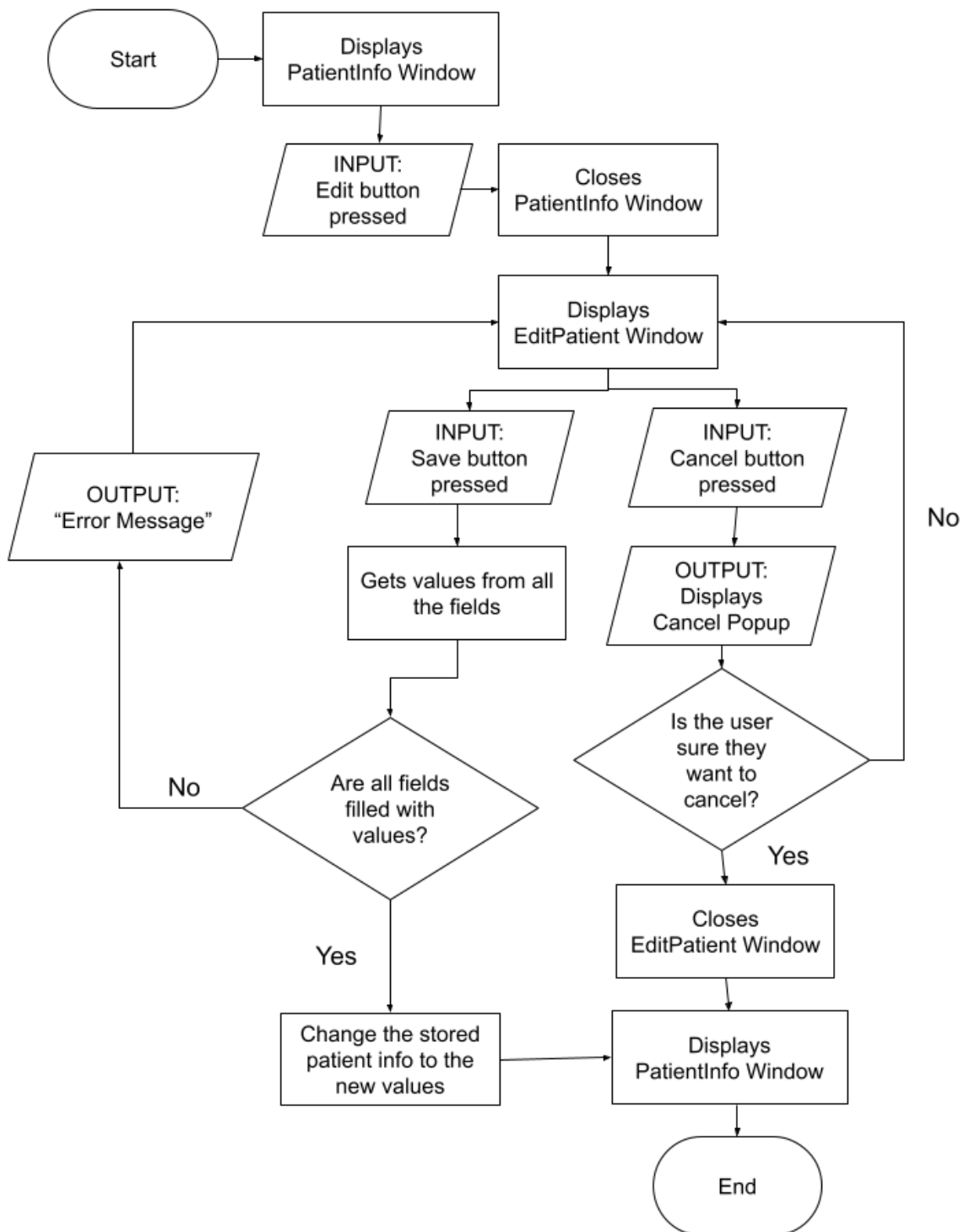


### Flowchart 3: Adding a Patient

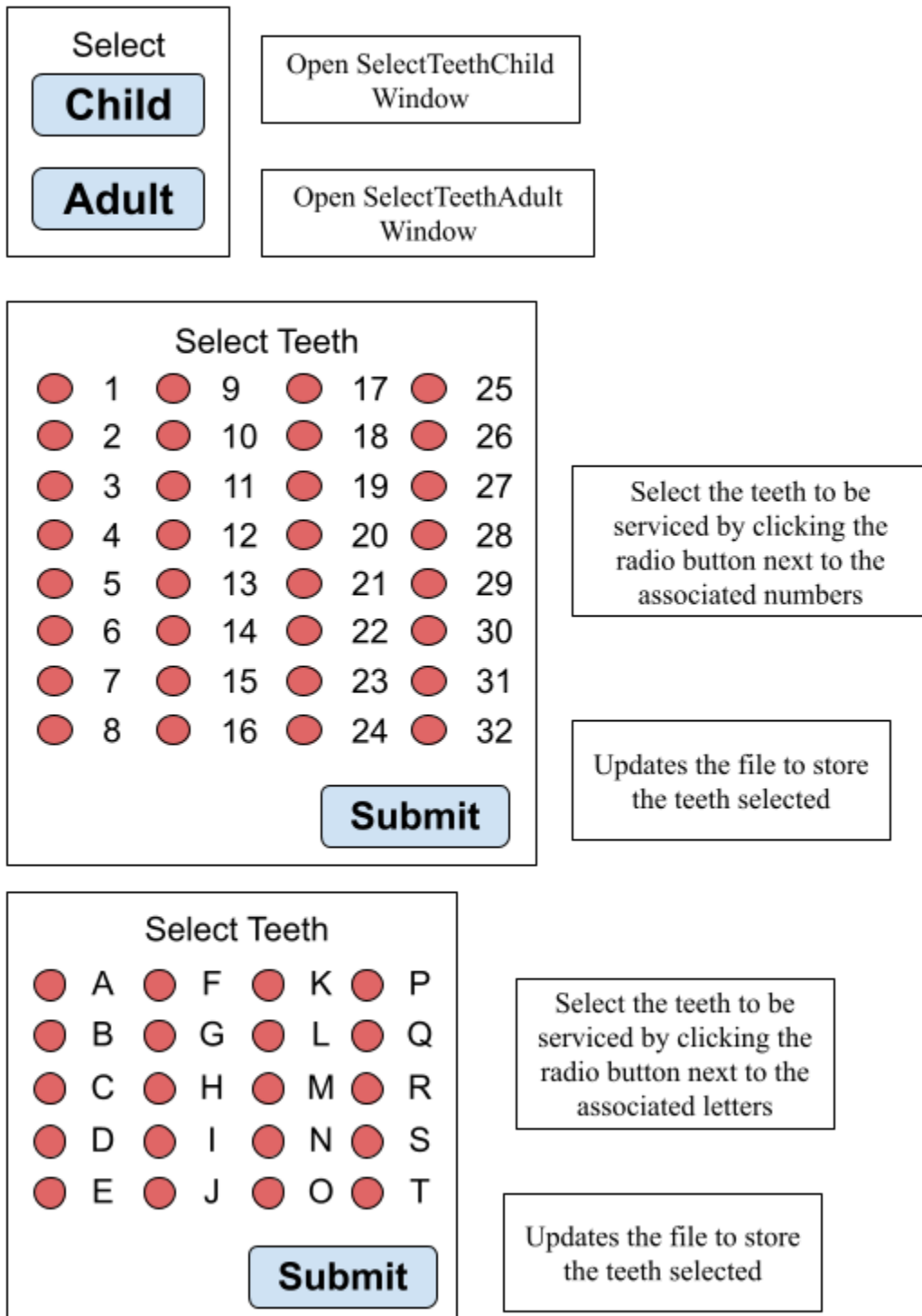




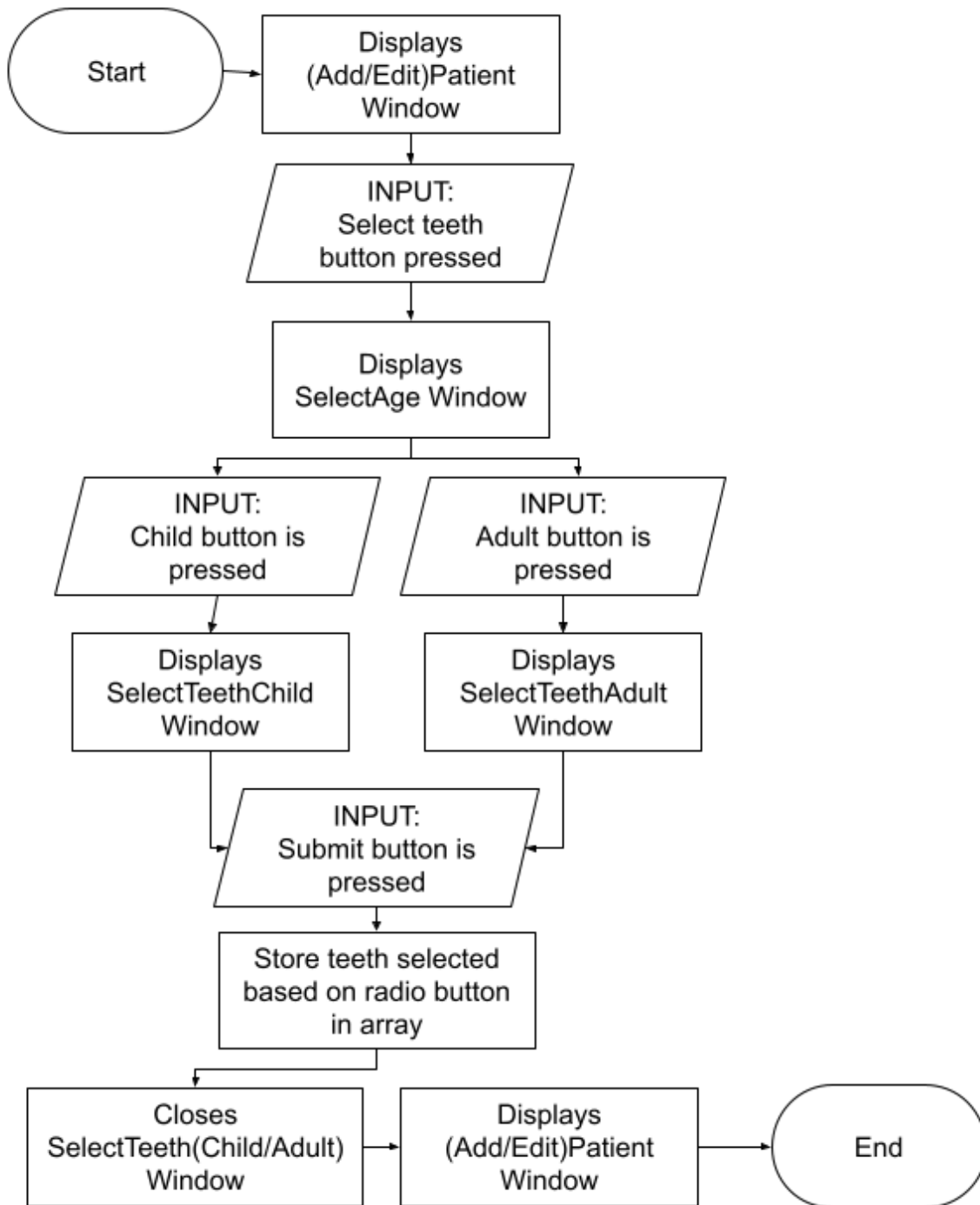
**Flowchart 4: Editing a Patient**



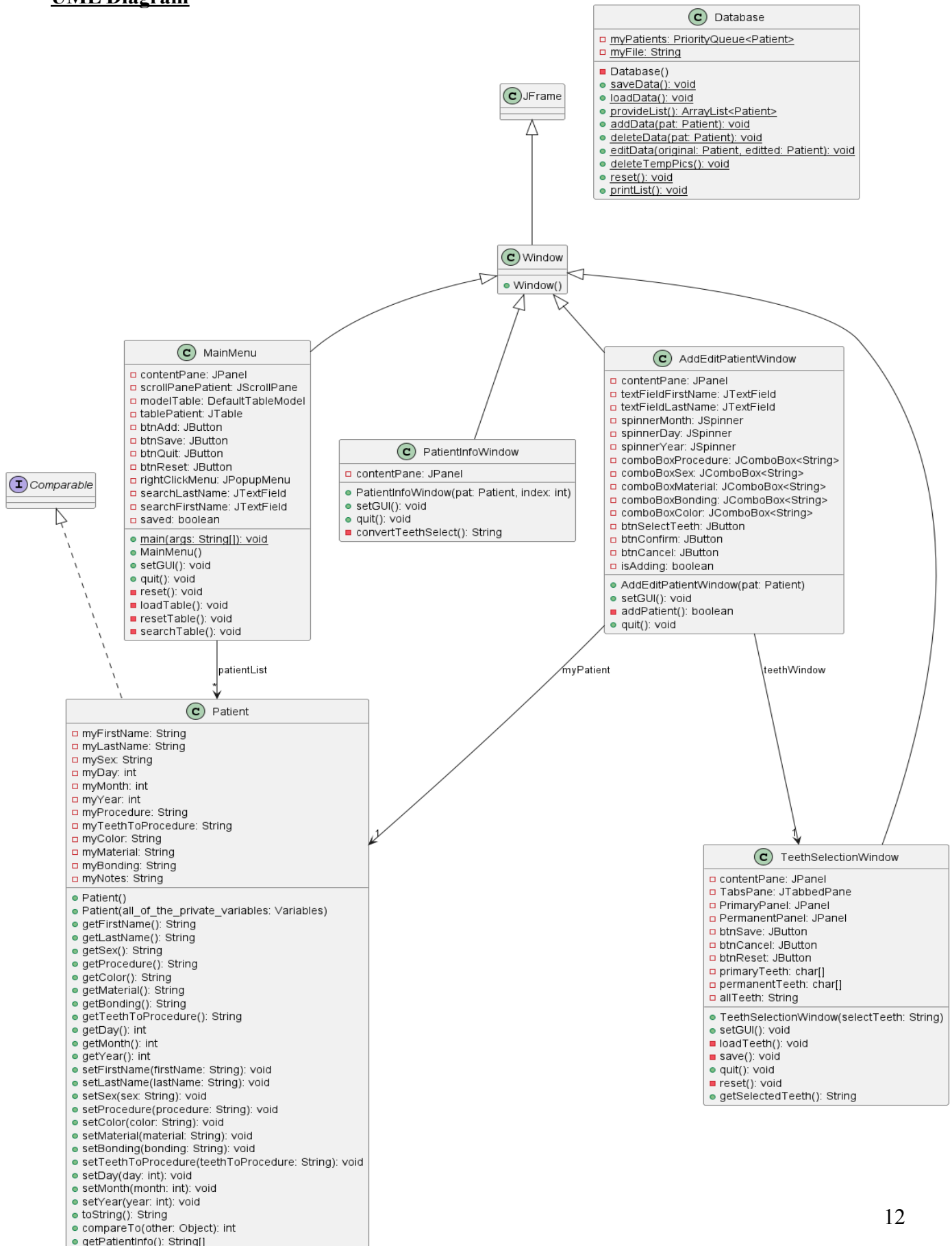
## Select Teeth Windows Diagram



**Flowchart 4: Selecting Teeth**



## UML Diagram



## **Test Plan**

<b>Test Type</b>	<b>Nature of Test</b>	<b>Example</b>
Upon opening the program, check that the main menu shows up	Check that the main menu both appears with the correct layout	Main menu pops up with the buttons in the correct location
Check that the delete button works	Click a patient from the table and press the delete button to delete them	A patient is selected. The delete button is pressed. The patient is gone from the table
Check that the patient info window works	Double-click a patient and check the patient info window that pops up for correct info	Patient “John Smith” is double-clicked and “John Smith’s” correct information is displayed
Check that the add function works	Press the add button, fill out the add patient window, press the save button, and double-click the newly added patient on the table to view their patient info window	Patient “Joe Snow” is added with restoration type “filling”. Their patient info window shows that their name is “Joe Snow” and their restoration type is “filling”
Check that the reset button works	Press the reset button, check the table, close and reopen the program, and then check the table again	The table is empty after pressing the reset button still empty after reopening the program
Check that the save button works	Press the save button, close and reopen the program, and then check the table. Also check the file containing the program’s database	The table has the same patients with the same info before and after closing and reopening the program. The database file matches the table
Check that the edit function works	Press the edit button on a patient’s info window, edit their info on the edit patient window, save the changes, and then review their patient info window	Patient “Jill Jane’s” date of birth is changed from “01/01/2001” to “01/01/1983”. Their patient info window reflects this change
Check that the teeth selection function works	Add/edit a patient and use the teeth selection function to select certain teeth. Check their “teeth to be serviced” portion of the patient’s info window	Adult patient “Billy Bob” is added with teeth “#1, 2, and 3,” selected. Their patient info window shows that the teeth to be serviced are “#1, 2, and 3”
Check that the name search function works	Press one of the radio button options (first or last name) and search for a patient. Check how the table is sorted	Patients “Rob”, “Robert”, and “Bob” are added. Searching by first name with the name “Rob” the table is sorted in the order of “Rob”, “Robert” and then “Bob”