

## Appendix 4- Proposed Prototype

Date: 1/04/2021

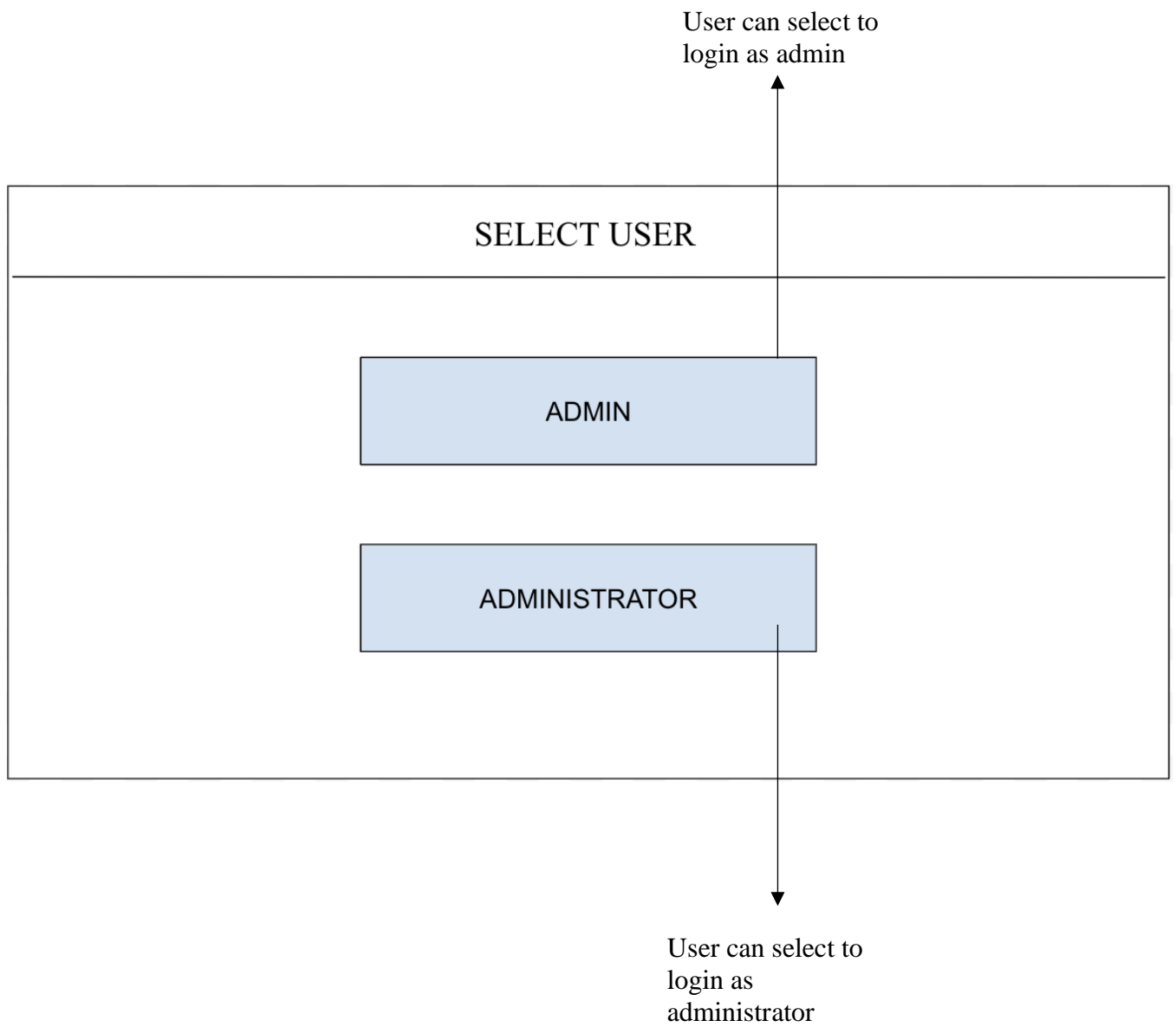
**Interviewer:** In our last interview we discussed the features that would be in cooperated in your dental clinic management system. Today I have the prototype designs of the entire system ready, the final system won't be exact but they will be based on these designs because as I progress with developments, I will find multiple short comings in these designs which will be tweaked on your approval.

**Client:** Ok that sounds good, can I see the designs now?

**Interviewer:** Yes ma'am, definitely. I've digitally made the designs as of now and I have also heavily annotated each form design for you to understand the functionality of each one. Feel free to stop me and ask me any questions or suggestions you have while I run you through them.

*The designs are attached below which were shared with the client via email. The same are also attached in the solution overview document (Crit-B)*

## Selecting user



## USER LOGIN

This form satisfies  
success criteria  
1, for the user  
login

USER LOGIN	
USER ID:	<input type="text"/>
PASSWORD:	<input type="password"/>
<input type="button" value="LOGIN"/>	

The user will be provided with a unique id to login

The user will set a password which will help them

After login details are filled, by clicking this button the user will login.

## Editing procedures and salaries (only available for admin)

COST/ SALARIES	
PROCEDURES	The admin can select to edit procedure costs
SALARIES	The admin can select to edit salaries of employees or add bonuses, etc.

## Editing procedures

This form satisfies **success criteria 11**, for the admin to edit staff salaries and procedure costs.

PROCEDURES	
<u>TYPE</u>	<u>COST</u>
Test 1	\$123
<div>edit</div> <div>Save changes</div>	

The name of the procedure related to dentistry

These are the costs input into the system.

After the admin makes the edits, by clicking this button the changes made will be saved in the database

If the admin wishes to edit the costs, all the fields will become editable with this button.

## EDITING SALARIES

The names of the employees

The additional money(bonus) that the employee receives for whatever reasons

The job description of the employee.

The current salary that the employee is being paid

After the admin makes the edits, by clicking this button the changes made will be saved in the database

If the admin wishes to edit the salaries or names, all the fields will become editable with this

SALARIES			
NAME	DESIGNATION	SALARY	BONUS (IF ANY)
ABC	Manager	\$123	\$456

edit

Save changes

## APPOINTMENT SCHEDULING

APPOINTMENT SCHEDULING

The patients name which will cross-checked with the patient database

The scheduled date of the appointment requested by the patient

Patient name:

Date:  /  /

Time:  :

SAVE

The scheduled time of the appointment at a particular date

Once the details are filled in, this button will block this slot for that patient and save it in the database and calendar

## Patient bills

This form satisfies **success criteria 7**, for the staff to generate patient bills after the appointment with a detailed summary of all the costs

The cost of that procedure will automatically be filled here from the database

PATIENT BILLS	
<u>PROCEDURE</u>	<u>COST</u>
<input type="text"/>	\$ _____
<input type="button" value="+"/> If multiple procedures are executed this is an 'add' button to add more procedures	\$ _____
ADDITIONAL COST:	
\$ _____	
TOTAL COST:	
\$ _____	
PAYMENT METHOD:	
<input type="checkbox"/> Cash _____	<input type="checkbox"/> Card _____
<input type="button" value="Save and print"/>	

Any additional costs the doctor has to add due to whatever reasons

The final cost after adding the procedure costs and additional costs

Both payment methods have check boxes. One can be selected for the whole amount. If a patient wishes to pay some amount in cash and some amount by card, both the check boxes must be ticked, and the amount paid by each method must be filled in the blank space.

Once the bill is filled completely, this option will save it in the database and will also give a print option if the patient wishes for a hard copy.

## Lab scheduling

**LAB SCHEDULING**

PATIENT NAME: \_\_\_\_\_

TOOTH TREATED:

SAMPLE TYPE:

PICKUP DATE: \_\_/\_\_/\_\_\_\_

PICKUP TIME: \_\_:--

The patients name whose samples are going for testing.

The scheduled pick-up date for the samples requested by the doctor.

The particular tooth number that the doctor is sending for testing to the lab (e.g. bottom 3<sup>rd</sup>)

The scheduled pick-up time for the samples requested by the doctor.

The type of sample of the patient that is being sent for testing (e.g. dentures)

Once the details are filled in, this button will send the pick-up details to the assigned lab.

## New patient

**NEW PATIENT**

**FULL NAME:** \_\_\_\_\_

**AGE:**

**SEX:** ☐ MALE    ☐ FEMALE    ☐ OTHER

**ADDRESS:** \_\_\_\_\_

**MOB NO/ EMAIL ID:**  /

**MEDICAL HISTORY:** \_\_\_\_\_

**DENTAL ASSESSMENT**

L	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8	R		

**TEETH GUMS APPEARANCE:** \_\_\_\_\_

Photo id of the patient

The doctor will conduct a physical examination after which she will write a one-word report for a tooth if required. (e.g. crown, bridge, missing, etc.) The top row is for the teeth above and the bottom row is for the teeth below. Each tooth is numbered 1-8 from left to right so they can be easily identified. This table was specifically designed as per the client's requirement.

After the physical examination the doctor will write a one-line description on the current condition of the teeth and gums.

Saving the details to the database.



## New staff

Photograph of the staff member

**NEW STAFF**

**FULL NAME:** \_\_\_\_\_

**AGE:**

**SEX:** ☐ MALE ☐ FEMALE ☐ OTHER

**ADDRESS:** \_\_\_\_\_

**MOB NO/ EMAIL ID:**  /

**POSITION:**  ▼

**SALARY/MO:** \$ \_\_\_\_\_

**EMERGENCY CONTACT DETAILS**

**FULL NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**MOB NO/ EMAIL ID:**  /

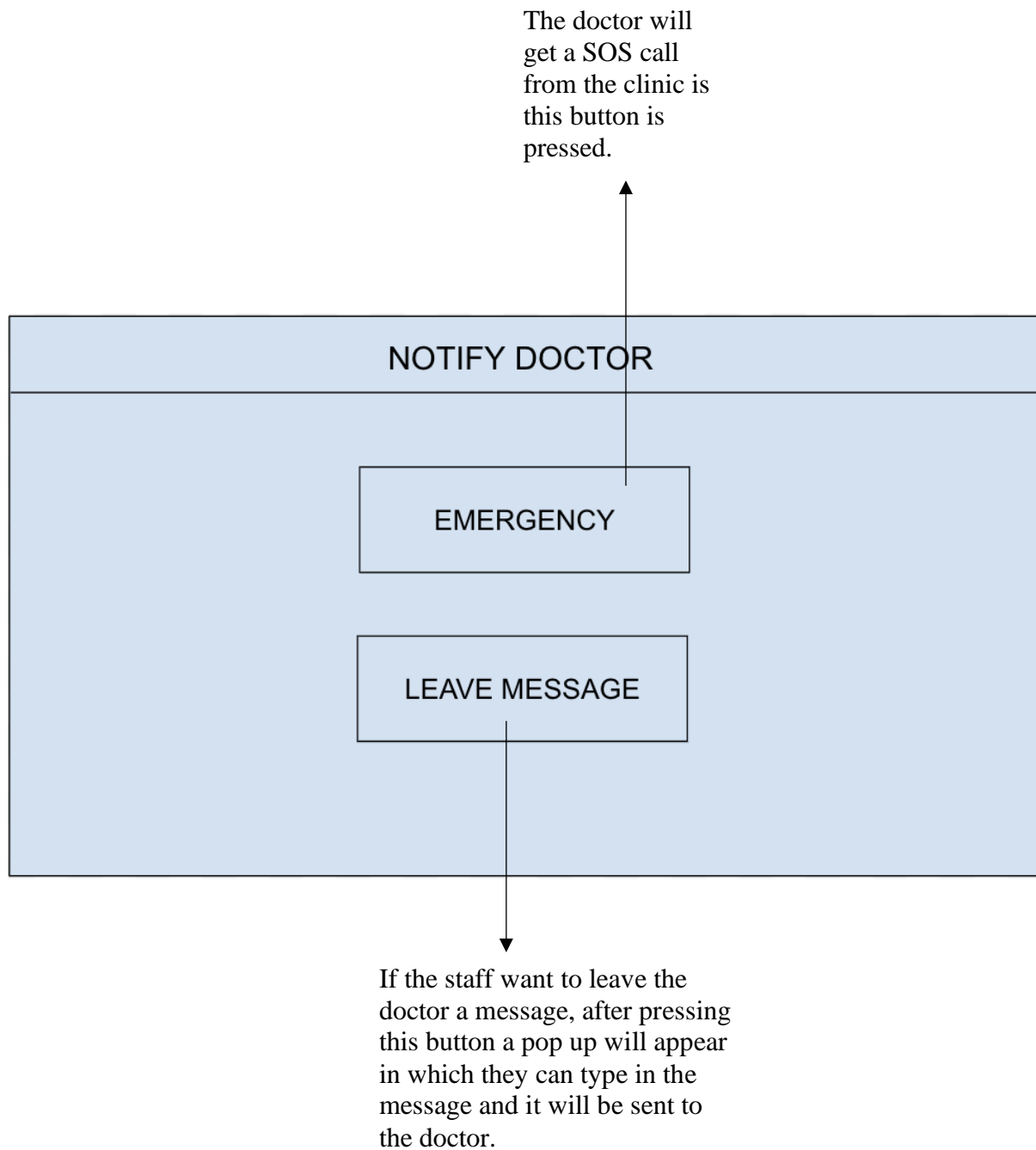
**RELATION:** \_\_\_\_\_

**SAVE**

The first person to contact due to an emergency because of whatsoever reasons.

Saving the details to the database.

## Notify doctor



**Interviewer: so that is the complete prototype design of your software, do you have any questions or improvements you would like to suggest?**

Client: I am very happy with the designs overall, it seems very user friendly and since my staff are anyways not very well versed with technology they should not have a problem using such a user-friendly software. As of now I can see that all the requirements that were discussed previously have been met but obviously I will have some suggestions as we move along this entire development process. However I have one request, it came to my mind post our last discussion and I forgot to mention it to you. I would like to have a feature where I can search for my patient and staff records, more than staff a patients one is really needed as I have over 4000 patients and manually looking for them is really important

**Interviewer: Yes sure, I can include that in the software as well. I will develop the feature and then get your approval on it. Also thank you for the positive feedback on the rest of the designs. Once I am completely done with the development, we will begin testing before which I will send a complete video tutorial on how to use the software. Once we complete testing we will understand the shortcomings of the software and I will fix them at the soonest.**

Client: Sure, thanks a lot and all the best for the development.

**Interviewer: Thank you, I will contact you if I need any feedback regarding the product.**