GROUP PROJECT

MAPD 712 (001) – Web Techs – Mobile Platforms

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Group 9

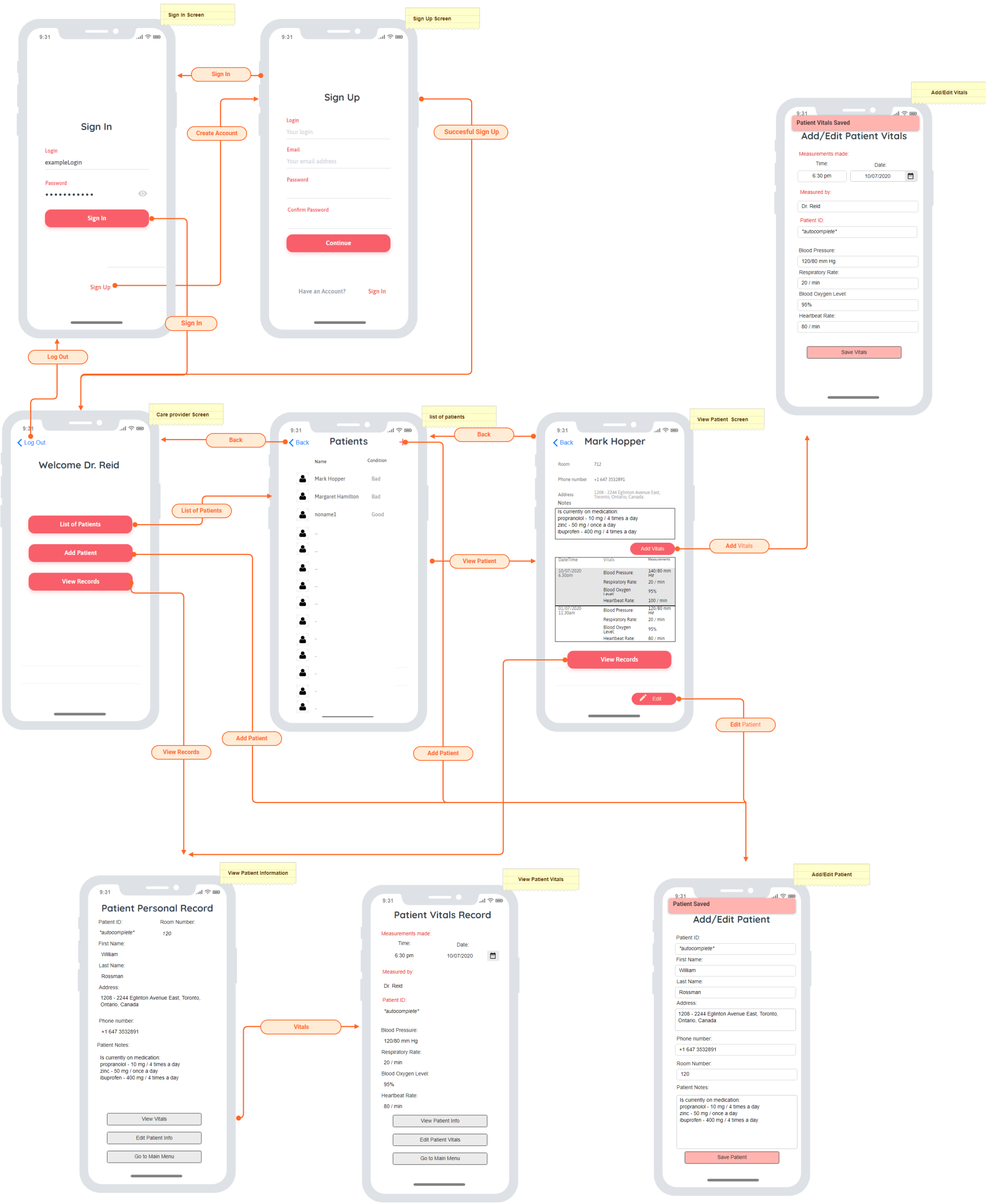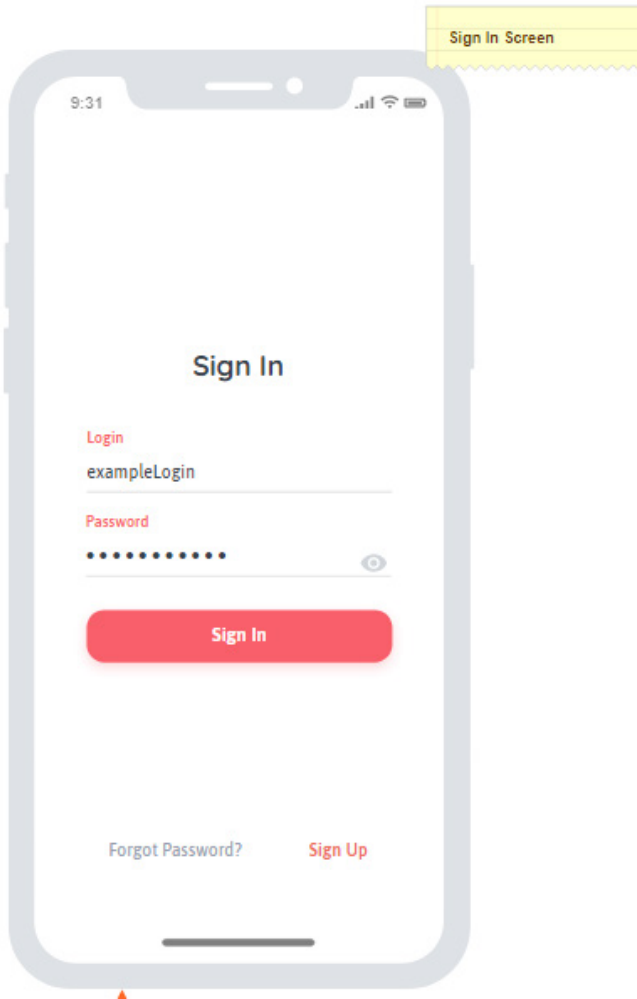MediCube is an application for the health care providers, which incorporates Patient Clinical Data management. To be used by doctors and nurses in hospitals around the country. The main idea of this application is to create a platform that would achieve providing secure and verified health data. Medical staff will do data entry processes, like adding patients, verify their pre-existing conditions and monitoring their health via measurements of their vital functions.

Version 1.0 – Subject to Change

Mockup Schema ver. 1.0

Sign In

Login
exampleLogin

Password
•••••••••••

Sign In

Sign Up

Sign In · Create Account · Sign In

Log Out

Sign Up

Login
Your login

Email
Your email address

Password

Confirm Password

Continue

Have an Account? Sign In

Succesful Sign Up

Patient Vitals Saved

Add/Edit Patient Vitals

Measurements made:
Time: 6:30 pm   Date: 10/07/2020

Measured by:
Dr. Reid

Patient ID:
autocomplete

Blood Pressure:
120/80 mm Hg

Respiratory Rate:
20 / min

Blood Oxygen Level:
95%

Heartbeat Rate:
80 / min

Save Vitals

Log Out

Welcome Dr. Reid

List of Patients

Add Patient

View Records

Back · List of Patients · View Records · Add Patient

Back

Patients

Name	Condition
Mark Hopper	Bad
Margaret Hamilton	Bad
noname1	Good
–	
–	

Back · View Patient · Add Patient

Back

Mark Hopper

Room 712
Phone number +1 647 3532891
Address 1208 - 2244 Eglinton Avenue East, Toronto, Ontario, Canada
Notes
Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

Add Vitals

DateTime	Vitals	Measurements
10/07/2020 6.30pm	Blood Pressure:	140/80 mm Hg
	Respiratory Rate:	20 / min
	Blood Oxygen Level:	95%
	Heartbeat Rate:	100 / min
01/07/2020 11.30am	Blood Pressure:	120/80 mm Hg
	Respiratory Rate:	20 / min
	Blood Oxygen Level:	95%
	Heartbeat Rate:	80 / min

View Records

Edit

Add Vitals · Edit Patient

Patient Personal Record

Patient ID: *autocomplete*   Room Number: 120

First Name:
William

Last Name:
Rossman

Address:
1208 - 2244 Eglinton Avenue East, Toronto, Ontario, Canada

Phone number:
+1 647 3532891

Patient Notes:
Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

View Vitals
Edit Patient Info
Go to Main Menu

Vitals

Patient Vitals Record

Measurements made:
Time: 6:30 pm   Date: 10/07/2020

Measured by:
Dr. Reid

Patient ID:
autocomplete

Blood Pressure:
120/80 mm Hg

Respiratory Rate:
20 / min

Blood Oxygen Level:
95%

Heartbeat Rate:
80 / min

View Patient Info
Edit Patient Vitals
Go to Main Menu

Patient Saved

Add/Edit Patient

Patient ID:
autocomplete

First Name:
William

Last Name:
Rossman

Address:
1208 - 2244 Eglinton Avenue East, Toronto, Ontario, Canada

Phone number:
+1 647 3532891

Room Number:
120

Patient Notes:
Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

Save Patient

Individual Mockups:

Sign-In Screen

Users must sign-in before using the app. So this screen provides the opportunity to sign in by inputting Login, Password in corresponding inputFields and confirming sign in by pressing the "signing in" button, if user do not have an account he can create one by pressing "sign up" button.

Consists of:

 - inputView: for Login

 - inputView: for Password

 - button: to confirm signing in, redirecting to Care provider Screen

 - button: for signing up, redirecting to "Sign up" Screen

Sign-Up Screen

Sign Up Screen

This screen allows to create an acount: for this user have to inputing Login, Password, Confirm Password, Email in corresponding input fields and confirming sign in by pressing the "continue" button.

Consists of:

 - input: for Login

 - input: for Email

 - input: for Password

 - input: for Confirm Password

 - button: to confirm signing in

 - button: for signing in, redirecting to "Sign in" Screen

Care provider Screen

Care provider Screen
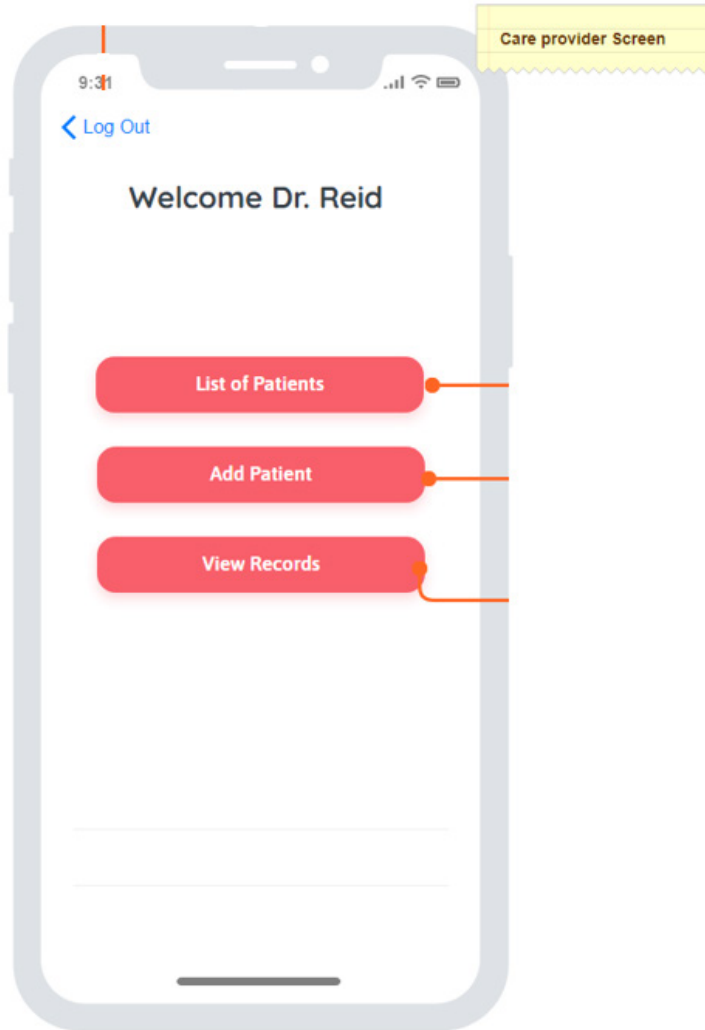
Initial screen that user can see after signing up. Redirects to the "Edit/Add patient" screen, "List of Patients" screen and "View Records" screen by pressing corresponding buttons.

Consists of:

 - button: View Records, redirecting to "View Records" Screen

 - button: Add patient, redirecting to "Add patient" Screen

 - button: List of Patients, redirecting to "List of patients" Screen

 - button: log Out, redirecting to "Sign In" Screen

List of patients Screen
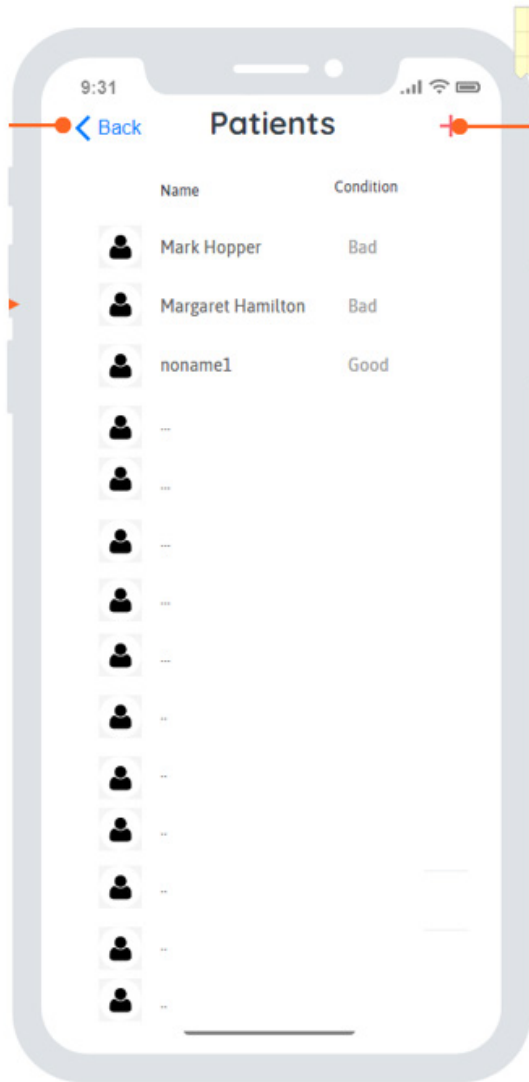
Scrollable View, that gives list of all care providers' patients. Items of the list are clickable and leads to View Patient Screen

Consists of:

 - button: back, redirecting to "Care provider" Screen

 - button: "+", redirecting to "Edit/Add patient" Screen

 - table: list items, redirecting to "View Patient" Screen

View Patient Screen

9:31

‹ Back   **Mark Hopper**

Room   712

Phone number   +1 647 3532891

Address   1208 - 2244 Eglinton Avenue East,
              Toronto, Ontario, Canada

Notes

Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

Add Vitals

DateTime	Vitals	Measurements
10/07/2020 6.30pm	Blood Pressure:	140/80 mm Hg
	Respiratory Rate:	20 / min
	Blood Oxygen Level:	95%
	Heartbeat Rate:	100 / min
01/07/2020 11.30am	Blood Pressure:	120/80 mm Hg
	Respiratory Rate:	20 / min
	Blood Oxygen Level:	95%
	Heartbeat Rate:	80 / min

View Records

✏ Edit

View Patient Screen

Provides information about Patient (Phone number, Room, Address, Notes...)

Consists of:

 - button: back, redirecting to "List of patients" Screen

 - button: "Add Vitals", redirecting to "Add Vitals" Screen

 - button: "View Records", redirecting to "View Records" Screen

 - button: "Edit", redirecting to "Edit/Add Patient" Screen

 - scrolableView: "Vitals" , provides information about last vitals measurement

Add / Edit Vitals Screen

Add/Edit Vitals

Is a data entry form for filling up data on patient vital functions.

Consists of:

- Time field

- Data field

- Measured by field

- Patient ID field

- Blood Pressure field

- Respiratory rate field

- Blood oxygen Level field

- Heartbeat Rate

View Patient Information Screen

9:31

Patient Personal Record

Patient ID: Room Number:

autocomplete   120

First Name:

William

Last Name:

Rossman

Address:

1208 - 2244 Eglinton Avenue East, Toronto,
Ontario, Canada

Phone number:

+1 647 3532891

Patient Notes:

Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

View Vitals
Edit Patient Info
Go to Main Menu

This is a view of patient information that exists in the database with different information labels.

Consists of:

-Patient ID label

-Room Number label

-First Name label

-Last Name label

-Address label

-Phone number label

-Patient Notes label

-View Vitals button

-Edit Patient Info button

-Go to Main Menu button

View Patient Vitals Screen

9:31

Patient Vitals Record

Measurements made:

Time:

6:30 pm

Date:

10/07/2020

Measured by:

Dr. Reid

Patient ID:

autocomplete

Blood Pressure:

120/80 mm Hg

Respiratory Rate:

20 / min

Blood Oxygen Level:

95%

Heartbeat Rate:

80 / min

View Patient Info

Edit Patient Vitals
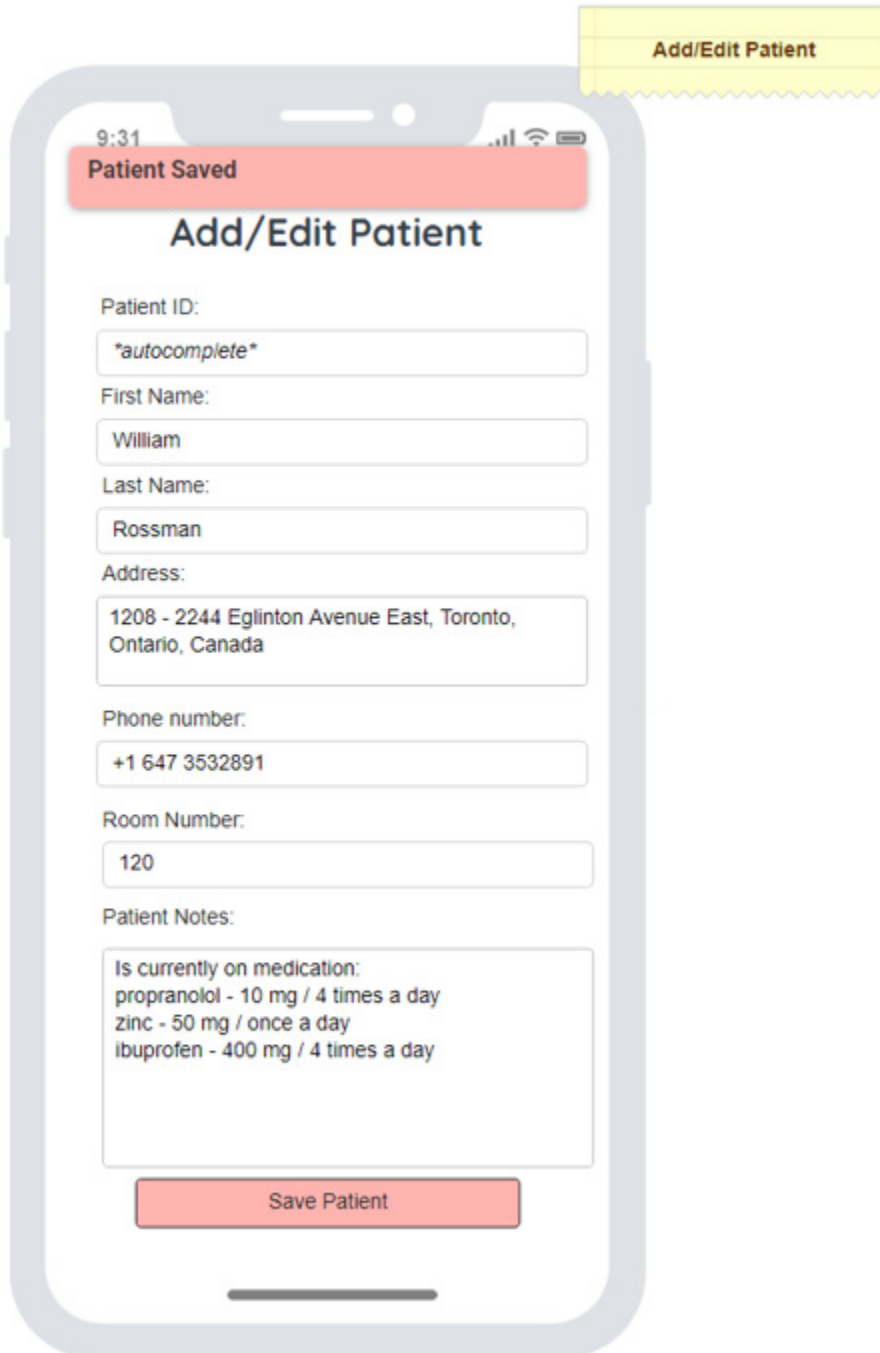
Go to Main Menu

This is a view of patient vitals with multiple labels that reflect stored information.

Consists of:

- Time field

- Date field

- Measured by field

- Patient ID field

- Blood Pressure field

- Respiratory Rate field

- Blood Oxygen Level field

- Heartbeat Rate field

- View Patient Info button

- Edit Patient Vitals button

- Go To Main Menu button

Add / Edit Patient Screen

9:31

Patient Saved

Add/Edit Patient

Patient ID:

autocomplete

First Name:

William

Last Name:

Rossman

Address:

1208 - 2244 Eglinton Avenue East, Toronto, Ontario, Canada

Phone number:

+1 647 3532891

Room Number:

120

Patient Notes:

Is currently on medication:
propranolol - 10 mg / 4 times a day
zinc - 50 mg / once a day
ibuprofen - 400 mg / 4 times a day

Save Patient

Is a data entry form for filling up data on patient personal information as to his pre-existing conditions / notes.

Consists of:

- Patient ID field

- First Name field

- Last Name field

- Address field

- Phone Number field

- Room Number field

- Patient Notes field

- Save Patient button