

# CLASS PROJECT PHASE 1

## Team 18

Team Member Names:

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## **System Overview Page:**

### **System Homepage:**

- The system homepage provides three different interfaces for the clinical staff, medical staff, and patients.

### **Nurse Page (Clinical Staff):**

- When visiting, the nurse takes the patient's name to access their records.
- Patients are found through their:
  1. First Name
  2. Last Name
  3. Date of Birth
- Before seeing the doctor, the following required info will be collected and entered into the system:
  1. The Day of the Visit
  2. Patient Weight
  3. Patient Height
  4. Patient Body Temperature
  5. Patient Blood Pressure (if over 12 years of age)
- The nurse will then note down additional information that includes:
  1. Allergies
  2. Medications that are Currently Being Taken
  3. Health Concerns
- The nurse is then brought to a page that has the patient's medical records to provide better recommendations.
  - The patient's medication history can be added to.
  - Past surgeries and hospitalizations should also be noted.
- When there are no visits, the nurse has a mailbox where past patients' messages can be seen and replied to.

### **Doctor Page (Medical Staff):**

- After doing a physical test, the doctor notes down findings into the system
- The nurse's notes from that day can be viewed as well.
- If medication is prescribed, the doctor notes it in the system and the prescription will be sent to the pharmacy listed in the patient's records.
- The doctor will be able to see the patient's history page, like the nurse in order to provide more in tune recommendations.
- When there are no visits, the doctor has a mailbox where past patients' messages can be seen and replied to.

### **Patient Health Portal:**

#### **Patient New User Page:**

- Users can create an account by clicking the "New User" button and entering their
  1. First Name
  2. Last Name

3. Birthday (mm/dd/yyyy)
4. Date of Birth
5. Phone Number (\*\*\*-\*\*\*-\*\*\*\*)
6. Email Address
7. Home Address
8. National Health Number (If Applicable)
9. Account Password

**Login Page:**

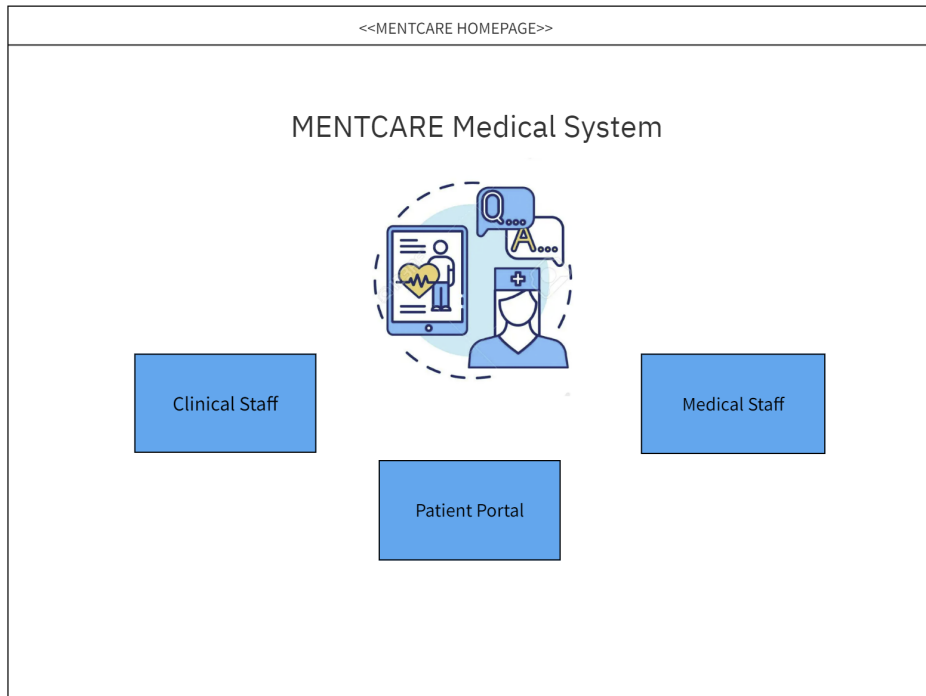
- Users can log in by entering their first name and their password.
- Users can also use the “Forgot Password?” button to receive an email on instructions to reset their password.

**Home Page:**

- After logging in, users are directed to this home page, where they can see and edit their personal info and personal contacts as seen fit on the “My Information” tab.
- They can also access a log of all their visits to the hospital and doctor’s/nurse’s notes (a summary of each visit) under the “My Appointments” tab.
  - Under this tab, they can also view their scheduled future appointments.
- There is also a messaging feature where patients can send messages to the medical staff under the “My Messages” tab.
  - Here, users can compose new messages or delete old messages.
  - When composing a new message, the recipient can be selected as either the doctor or the nurse.
- Anytime during the session, users can “Log Out” and be redirected to the system homepage.

## UI Walkthrough

The user interface design consists of several different views since there are multiple use cases.



This is the MENTCARE homepage. There are three buttons, each linking to their respective logins. When the user clicks clinical staff, medical staff, or patient portal, they'll be brought to their respective portal login page.


The image shows a mockup of the MENTCARE Login page. At the top, there is a header bar with the text "<<MENTCARE Login>>". Below the header, there are two input fields: "First Name" with the value "Smith" and "Password". Below the password field, there is a link "Forgot Password ?". At the bottom, there is a large blue button labeled "LOGIN". Below the login button, there is a link "New User? Register for an Account".

This is the main MENTCARE login page. This will be identical for staff and patients, however the staff will be unable to select the New User button. The user will enter in their login info (email and password), and click the login button to enter their respective home page. When a patient clicks the New User button, they'll be brought to the New User page where they will be able to create an account. When a user's username is entered correctly and they click the Forgot Password button, they will receive instructions via email to reset their password.

The screenshot shows a web form titled "<<MENTCARE Patient New User>>". The form is divided into two columns of input fields. The left column contains: "First Name", "Last Name", "D.O.B.", "Phone Number", "Email Address", and "Home Address". The right column contains: "National Health Number", a checkbox labeled "I do not have a National Health Number" (which is checked), "Password", and "Confirm Password". Below these fields is a blue button labeled "REGISTER".

This is the Patient New User page. Each field listed is required, except for the National Health Number when the "I do not have a National Health Number" box is selected. Upon clicking the Register button, the patient will be enrolled in the system with a new account created, and they'll be brought back to the login page. There will also be a Go Back button in the scenario that this button was selected by accident, and no patient will be enrolled.

<<MENTCARE Patient Portal Homepage>>

My InformationMy AppointmentsMy MessagesLog OutPatient Name...

MENTCARE

My Personal Information

First Name

Last Name

DOB

Phone Number

Email

Registered Medical Practice

Address

My Family Contacts


Name/Relation	Email/Notes	Phone
Contact 1		
Contact 2		
Contact 3		
Contact 4		

Edit

Save

This is the first page on the Patient Portal Homepage, where the patient’s personal information will be displayed. Upon selecting the edit button, the patient will be able to update their contact information as well as their family contacts. Clicking the save button will save the changes. The patient’s name will always be on display in the top right corner. While on this page, the “My Information” tab on the top left will be grayed out to show which page the patient is on. Selecting the respective tabs on the top left corner will allow the patient to navigate between pages, and the “Log Out” button will take the patient back to the home screen.

<<MENTCARE Patient Portal Appointments Log>>

My InformationMy AppointmentsMy MessagesLog OutPatient Name...

MENTCARE

Past Appointments

Date	Hospital/Office	Doctor Seen	Appointment Summary
04/15/2023	Hospital 1	Dr. Professor	
04/15/2023	Hospital 1	Dr. Professor	
04/15/2023	Hospital 1	Dr. Professor	
04/15/2023	Hospital 1	Dr. Professor	
04/15/2023	Hospital 1	Dr. Professor	

Future Appointments

You have no upcoming appointments.

This is the Patient Portal’s My Appointment Tab. Here, the patient can see past and future appointments. If there are no past or future appointments, then the appropriate message will display as shown in this example. If there are past or future appointments, then the date, hospital/clinic, Doctor seen, and appointment summary will be listed. The patient’s name will always be on display in the top right corner. While on this page, the “My Appointments” tab on the top left will be grayed out to show which page the patient is on. Selecting the respective tabs on the top left corner will allow the patient to navigate between pages, and the “Log Out” button will take the patient back to the home screen.

<<MENTCARE Patient Portal Messages>>

[My Information](#)
[My Appointments](#)
[My Messages](#)
[Log Out](#)

Patient Name...

**Message Inbox**

Doctor
Doctor
Doctor
Nurse
Nurse
Doctor

Compose New

Delete

Select Recipient ▼

Hi Doctor!

Send ➔

This is the Patient Portal Message center. Here, the patient can read messages to and from staff, and send messages as well. Clicking the delete button will permanently delete the selected message. The patient's name will always be on display in the top right corner. While on this page, the "My Messages" tab on the top left will be grayed out to show which page the patient is on. Selecting the respective tabs on the top left corner will allow the patient to navigate between pages, and the "Log Out" button will take the patient back to the home screen.



<<MENTCARE CLINICAL STAFF HOMEPAGE>>

Patient Intake

Patient Search

My Messages

Log-Out

Nurse XYZ

12 May 2016

MENTCARE CLINICAL STAFF

Patient Intake

First Name

Patient First Name

Last Name

Patient Last Name

Date of Birth

Patient D.O.B.

Go!

1

2

3

4

This is the first page of the Clinical Staff Homepage, labeled Patient Intake. Here, the staff can enter the first name, last name, and date of birth of the patient being seen. Upon clicking the Go button, the staff will be taken to the next page of the patient intake. In the top right corner, the staff's title and name is displayed. While on this page, the "Patient Intake" tab on the top left will be grayed out to show which page the staff is on, and the number 1 is grayed to show that the staff is on the first page of the intake.

<<MENTCARE CLINICAL STAFF HOMEPAGE>>

Patient Intake
Patient Search
My Messages
Log-Out
Nurse XYZ

MENTCARE CLINICAL STAFF

Patient Intake Vitals

**Patient:**

John

Smith

**D.O.B.**

01/11/2011

**Patient Height (Inches)**

Patient Height

**Date Seen**

12 May 2016

**Patient Weight (Pounds)**

Patient Weight

**Patient Body Temperature (Fahrenheit)**

Patient Body Temp

**Patient Blood Pressure**

Patient Blood Pressure

☐ Patient is Under 12  
\*\*Patients under 12 do not need their blood pressure taken\*\*

Continue

1
2
3
4

This is the second page of the patient intake form. Here, the patient's first and last name, and date of birth are displayed. The staff can enter the patient's height, weight, body temp, and blood pressure. If the patient is under 12, the staff can opt to click the Patient Under 12 button instead of entering a blood pressure. Clicking the continue button will bring the staff to the next page. On the top right corner, the staff's title and name is displayed. While on this page, the "Patient Intake" tab on the top left will be grayed out to show which page the staff is on, and the number 2 is grayed to show that the staff is on the second page of the intake.

<<MENTCARE CLINICAL STAFF Patient Intake>>

Patient Intake

Patient Search

My Messages

Log-Out

Nurse XYZ

MENTCARE CLINICAL STAFF

Patient Intake Additional Notes

Patient:

John

Smith

D.O.B.

01/11/2011

Allergies

Medications Taking

Health Concerns

Continue

1

2

3

4

This is the third page of the patient intake. The patient's name, and date of birth are displayed. Here, the staff can enter any of the patient's allergies, medications, and health concerns. Upon clicking the Continue button, the staff will be brought to the last page of the patient intake. On the top right corner, the staff's title and name is displayed. While on this page, the "Patient Intake" tab on the top left will be grayed out to show which page the staff is on, and the number 3 is grayed to show that the staff is on the third page of the intake.

<<MENTCARE CLINICAL STAFF Patient Intake>>

Patient Intake
Patient Search
My Messages
Log-Out
Nurse XYZ

## MENTCARE CLINICAL STAFF

### Patient Intake Medical History

**Patient:**

**D.O.B.**

**Immunization History** + Add

Immunization Name:	Date:	Staff:
Flu Shot	04/23/2023	Dr. Professor
Covid Vaccine	02/12/2022	Dr. Nurse
Covid Booster	05/17/2019	Dr. Professor
Flu Shot	12/15/2018	Dr. Professor

**Medication History** + Add

Medicine Name:	Date Prescribed:
Medicine A	01/01/2018
Medicine B	08/23/2023
Medicine C	09/19/2017
Medicine D	06/17/2023

**Additional Health History** ✎ Edit

Surgeries
Hospitalizations
ETC

1
2
3
4

Save Intake

This is the last page of the Patient Intake form. The current patient's first and last name is displayed. Here, the staff can verify as well as add immunizations, medications, as well as additional health history such as surgeries, hospitalizations, and ETC. Upon clicking the Save Intake button, the patient's information will be saved. On the top right corner, the staff's title and name is displayed. While on this page, the "Patient Intake" tab on the top left will be grayed out to show which page the staff is on, and the number 4 is grayed to show that the staff is on the fourth page of the intake.

<<MENTCARE CLINICAL STAFF Patient Search>>

Patient Intake

Patient Search

My Messages

Log-Out

Nurse XYZ

MENTCARE CLINICAL STAFF

Patient Search

Last Name, First Name

×

Search

Last Name, First Name, D.O.B.

Last Name 1, First Name 1, D.O.B. 1

Last Name 2, First Name 2, D.O.B. 2

This is the Patient Search tab of the Staff site. Here, the staff can enter a patient's last and first name to query records and pull the patient up. On the top right corner, the staff's title and name is displayed. While on this page, the "Patient Search" tab on the top left will be grayed out to show which page the staff is on.

<<MENTCARE CLINICAL STAFF Messages>>

Patient Intake
Patient Search
My Messages
Log-Out
Nurse XYZ

MENTCARE CLINICAL STAFF
My Messages

MY INBOX

Person 1
Person 2
Person 3
Person 4
Person 5
Person 6

COMPOSE NEW
RESPOND
FORWARD

Select Recipient
Subject

B
/
U
Style

1
2
3
4
5
6

Norma
Font
Size
A
A

Send

This is the Staff Message center. Here, the staff can send and receive messages from patients. They also have access to a forward message feature. Clicking the delete button will permanently delete the selected message. The staff's name and title will always be on display in the top right corner. While on this page, the "My Messages" tab on the top left will be grayed out to show which page the patient is on. Selecting the respective tabs on the top left corner will allow the patient to navigate between pages, and the "Log Out" button will take the staff back to the home screen.

<<MENTCARE Medical Staff Messages>>

Patient Physical
Patient History
Patient Search
My Messages
Log-Out
DR XYZ

## MENTCARE MEDICAL STAFF

### Patient Physical

**Patient:**

**D.O.B.**

**Notes From Nurse:**

Vitals

Notes

Health Concerns

**Prescribing Medication/Treatment:**

**Physical Notes:**

☒ No Medication To Be Prescribed

Save & Continue

This is the first page of the Medical Provider's site. Here, the provider can enter the patient's name and pull up the Nurse's vitals, notes, and health concerns. The provider can also prescribe medication, and write their SOAP note. Clicking the save and continue button will save the provider's notes. On the top right corner, the staff's title and name is displayed. While on this page, the "Patient Search" tab on the top left will be grayed out to show which page the staff is on.

<<MENTCARE Medical Staff Messages>>

Patient Physical

Patient History

Patient Search

My Messages

Log-Out

DR XYZ

MENTCARE MEDICAL STAFF

My Messages

MY INBOX

Person 1

Person 2

Person 3

Person 4

Person 5

Person 6

COMPOSE NEW

RESPOND

FORWARD

Select Recipient

Subject

B

/

U

Style

Norma

Font

Size

A

A

Send



## Credit Sheet

Team Member Name	Contributions
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Matthew Rutherford	UI Walkthrough
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