

TELECARE

Guide: Prof. Aparna Mete-Sawant

TY_IT SEM II - GROUP 11

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INTRODUCTION:

Telecare is the term for offering remote care of elderly and physically less able people, providing the care and reassurance needed to allow them to remain living in their own homes. The use of sensors may be part of a package which can provide support for people with illnesses such as dementia, or people at risk of falling.

Most telecare mitigates harm by reacting to untoward events and raising a help response quickly. Some telecare, such as safety confirmation and lifestyle monitoring have a preventive function in that a deterioration in the telecare user's wellbeing can be spotted at an early stage.

Telecare is specifically different from telemedicine and telehealth. Telecare refers to the idea of enabling people to remain independent in their own homes by providing person-centred technologies to support the individual or their carers.

Mobile telecare is an emerging service where state of the art mobile devices with roaming SIMs are utilised to allow a client to go outside their home but still have a 24/7 telecare service available to support them. Typical devices that do this are such things as the Pebbell mobile GPS tracker.

Technological advances result in the possibility of promoting independence and for providing care from the social initiative sector, which now contemplates eCare, and navigation/positioning systems, such as GPS for people with dementia or other cognitive impairments.

Objective:

1. Authenticate Doctor.
2. Doctor to Add new patients.
3. Doctors to manage patients.
4. CRUD features given to Doctors.
5. Use CSS and Bootstrap framework.
6. Responsive Webpage.

Software & Hardware:

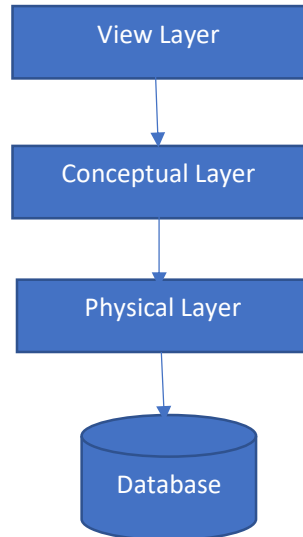
Any mobile or desktop or tab with latest web browser and not in Internet Explorer.

Modules:

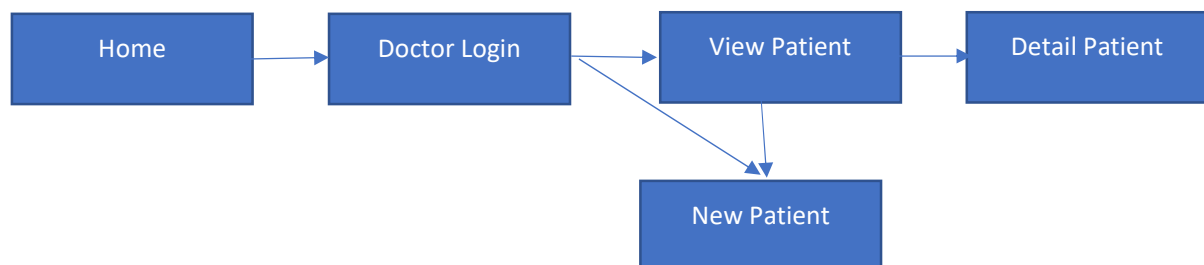
The site will contain the following features:

1. Registration / Login
2. Add new Patient.
3. View Patient.
4. Info of the Patient.
5. Patient Details.
6. Edit Patient Details.
7. Delete Patient.

Database Design



Flow Diagram



Web Tools:

Framework:

1. Bootstrap
2. jQuery
3. Animation on Scroll

Language:

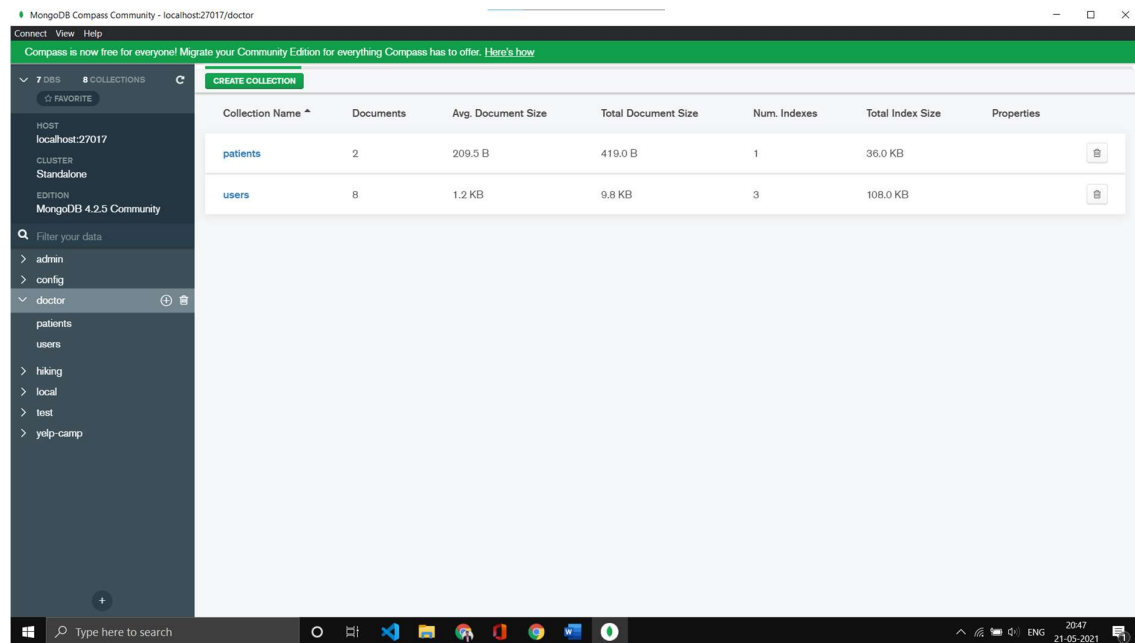
1. Nodejs
2. EJS (templating)

Database:

1. MoongODB

Collections:

Collections



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Doctors:

The screenshot shows the MongoDB Compass interface for the 'doctor.users' collection. The left sidebar displays the database structure with 'users' selected. The main panel shows 8 documents in a list view. Each document contains fields like '_id', 'email', 'username', 'salt', 'hash', and 'patient'.

Document ID	email	username	patient
ObjectId("608f6b26e1d18934cab451")	"alwaysjoy.as@gmail.com"	"11818027"	Array
ObjectId("608f6b26e1d18934cab452")	"sarvadeva.sn@gmail.com"	"surya"	Array
ObjectId("608f6b26e1d18934cab453")	"madhavavrun@gmail.com"	"aditi"	Array
ObjectId("608f6b26e1d18934cab454")	"aditi@gmail.com"	"aditi"	Array
ObjectId("608f6b26e1d18934cab455")	"aditi@gmail.com"	"aditi"	Array
ObjectId("608f6b26e1d18934cab456")	"aditi@gmail.com"	"aditi"	Array
ObjectId("608f6b26e1d18934cab457")	"aditi@gmail.com"	"aditi"	Array
ObjectId("608f6b26e1d18934cab458")	"aditi@gmail.com"	"aditi"	Array

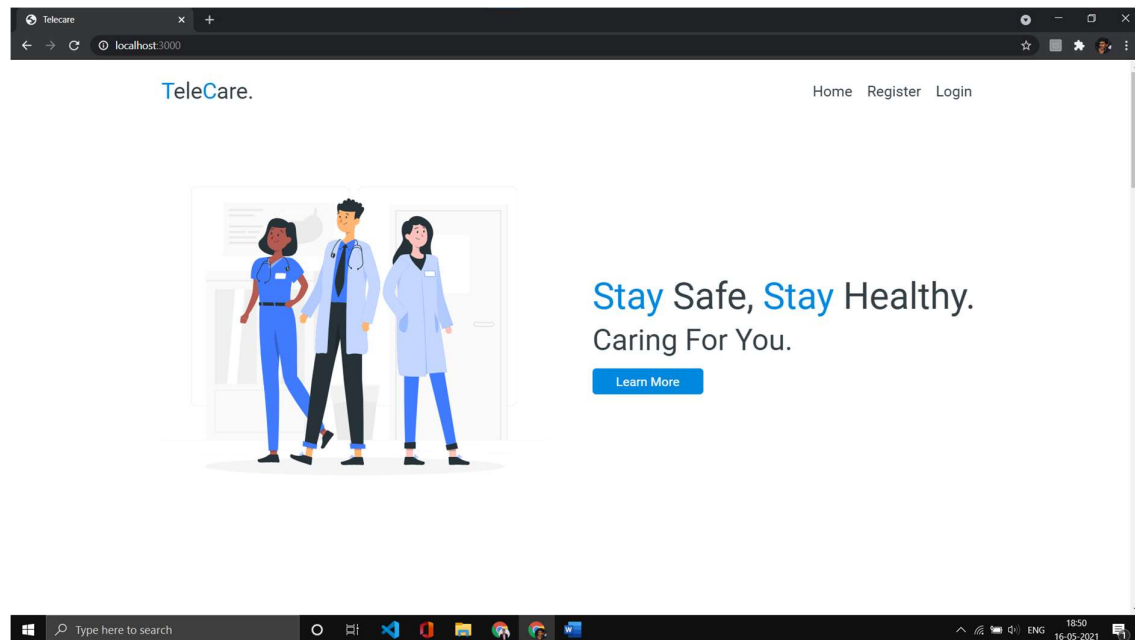
Patients

The screenshot shows the MongoDB Compass interface for the 'doctor.patients' collection. The left sidebar displays the database structure with 'patients' selected. The main panel shows 2 documents in a list view. Each document contains fields like '_id', 'name', 'disease', 'age', 'bloodgroup', and 'prescription'.

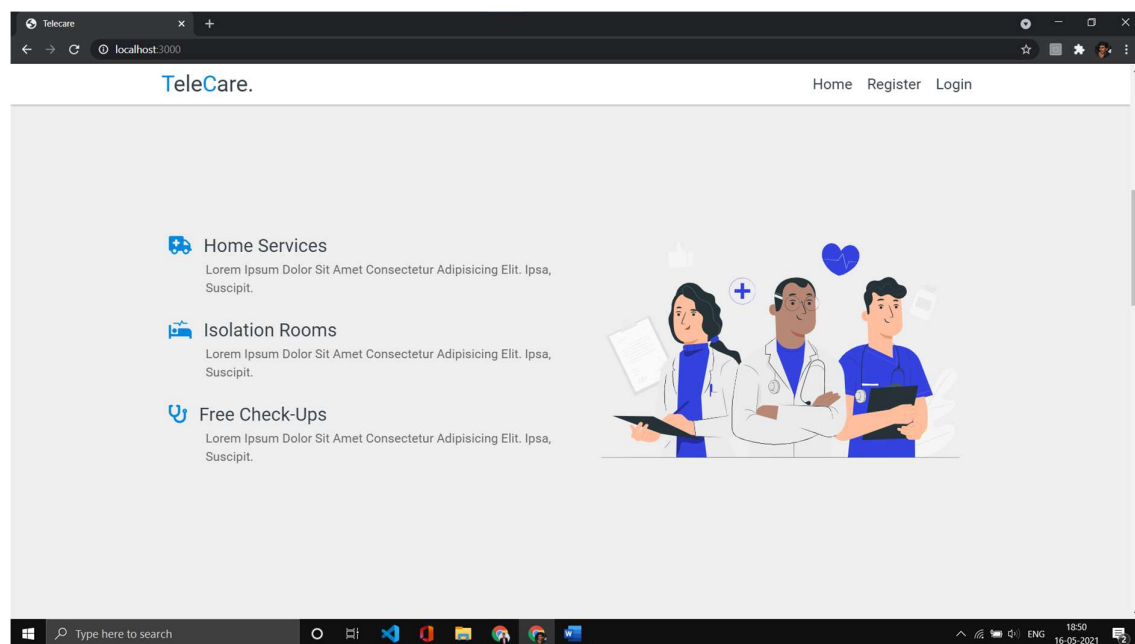
Document ID	name	disease	age	bloodgroup	prescription
ObjectId("608f6b26e1d18934cab459") <td>"Bhargav"<td>"fever"<td>21<td>"A"<td>Array</td></td></td></td></td>	"Bhargav" <td>"fever"<td>21<td>"A"<td>Array</td></td></td></td>	"fever" <td>21<td>"A"<td>Array</td></td></td>	21 <td>"A"<td>Array</td></td>	"A" <td>Array</td>	Array
ObjectId("608f6b26e1d18934cab460") <td>"Bhargav"<td>"fever"<td>21<td>"B"<td>Array</td></td></td></td></td>	"Bhargav" <td>"fever"<td>21<td>"B"<td>Array</td></td></td></td>	"fever" <td>21<td>"B"<td>Array</td></td></td>	21 <td>"B"<td>Array</td></td>	"B" <td>Array</td>	Array

Output:

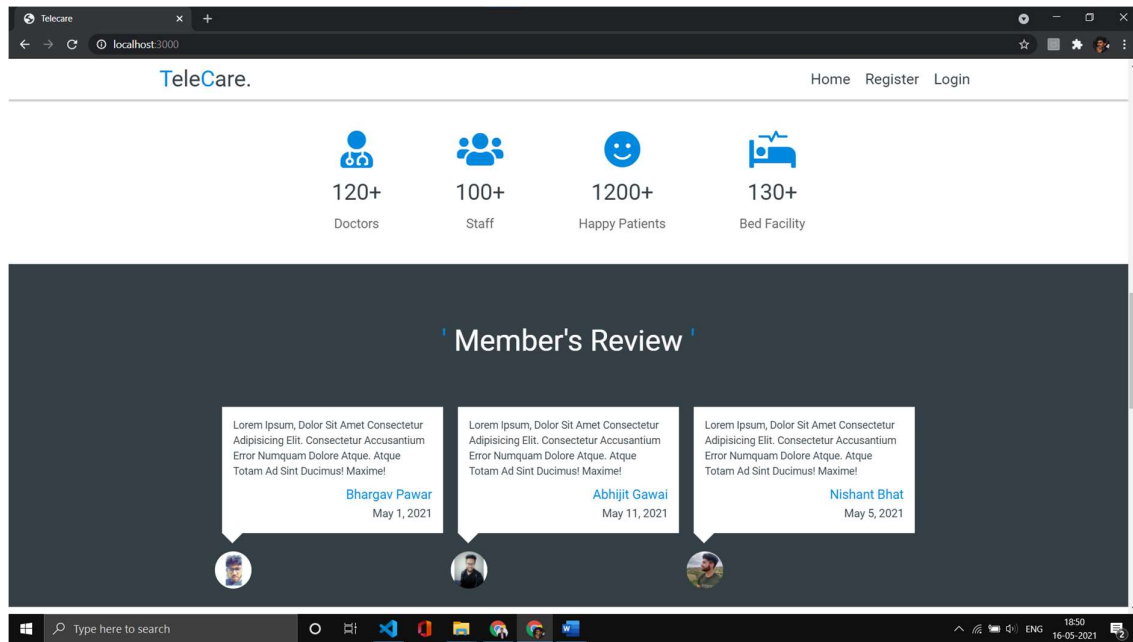
Home Page



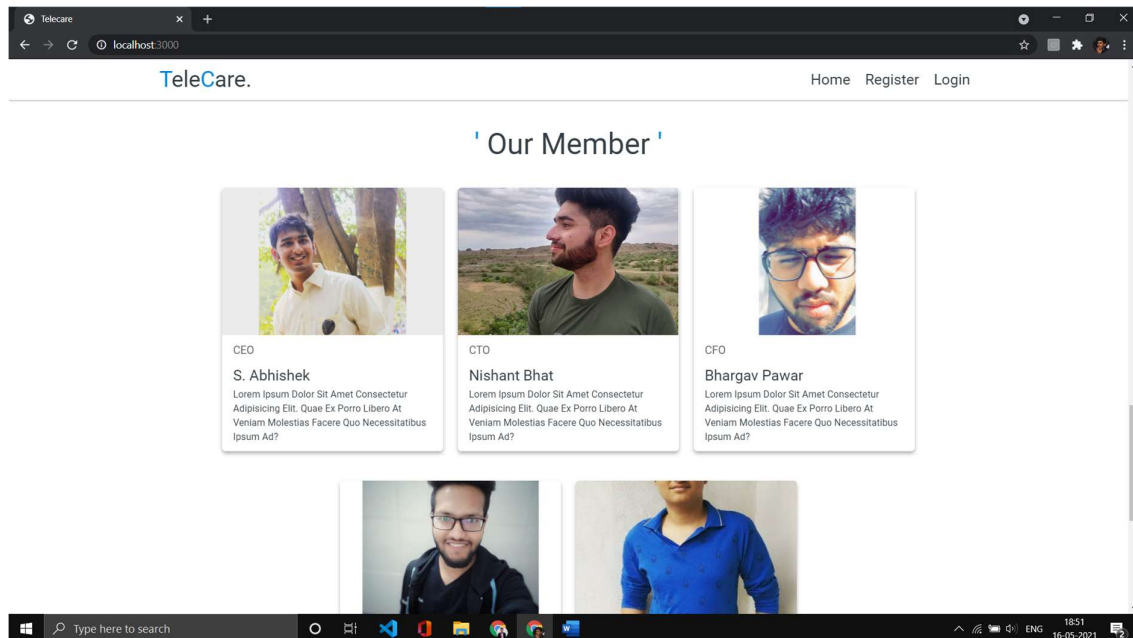
Home Page scroll 2:



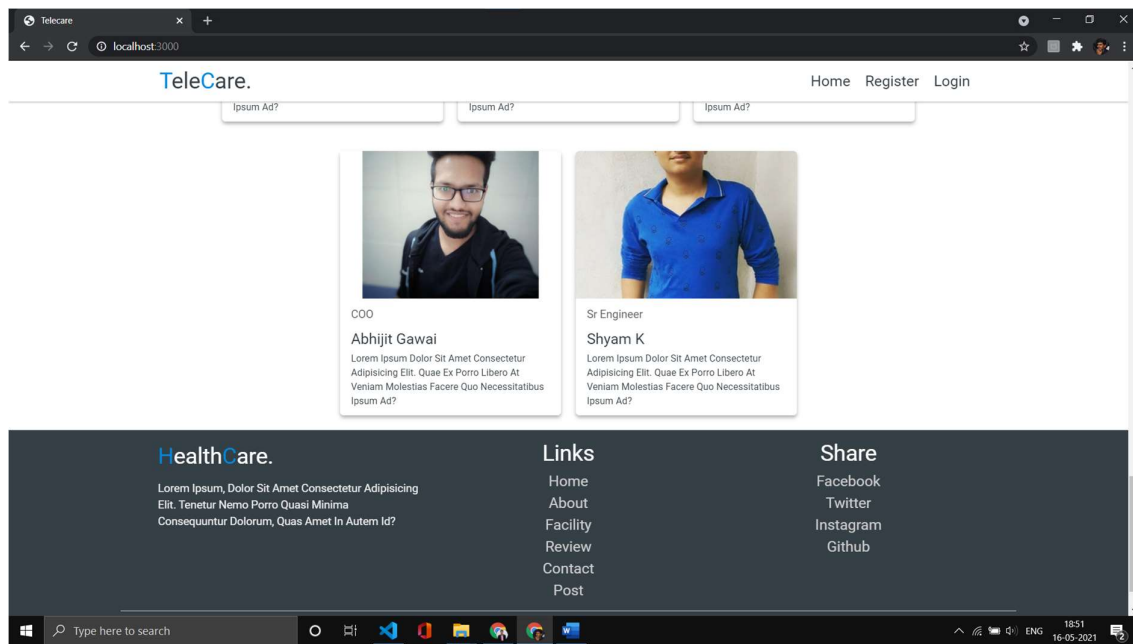
Home Page Scroll 3:



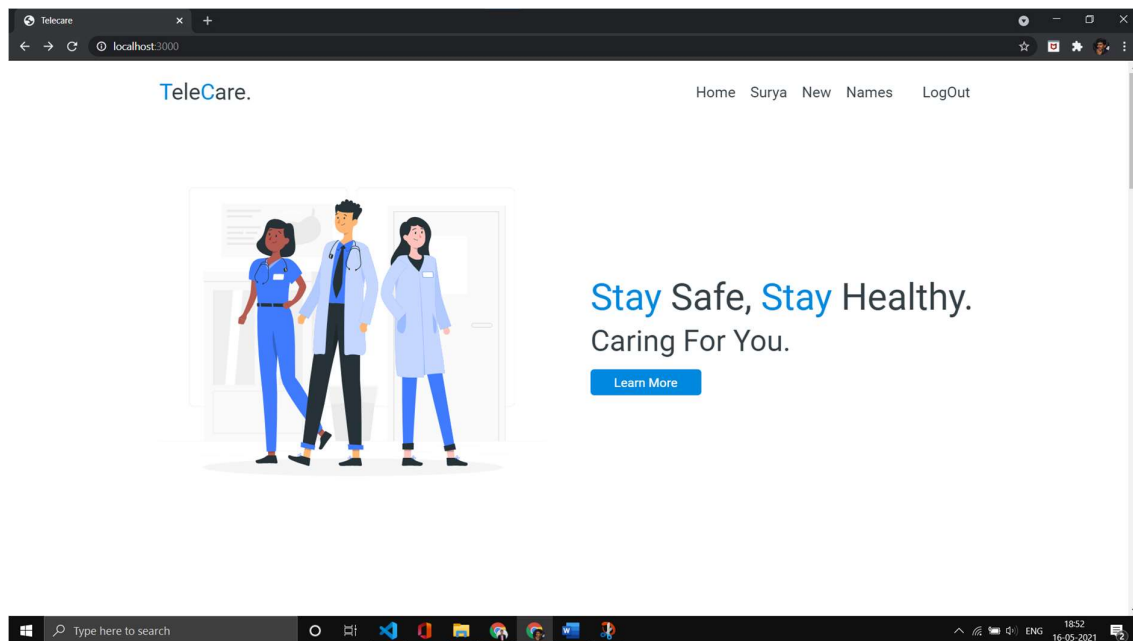
Home Page Scroll 4:



Home Page Scroll 5:



After Login:



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New Patient:

The screenshot shows a web browser window with the URL `localhost:3000/list`. The page has a green header with the text 'TeleCare Home abhijit_11 New Names LogOut'. The main content area is titled 'Add New Name' and features a form with the following fields: 'Pname' (with a text input), 'Disease' (with a text input and a green heart icon), 'Age' (with a text input), and 'Bloodgroup' (with a dropdown menu). A green 'Submit' button is located below the form. The background of the form area shows an illustration of three medical professionals (two doctors and one nurse) in a clinical setting.

View Patients:

The screenshot shows a web browser window with the URL `localhost:3000/name`. The page has a green header with the text 'TeleCare Home abhijit_11 New Names LogOut'. The main content area is titled 'LIST OF PATIENT' and displays a table with patient information. The table has two columns: 'NAME' and 'INFO'. The first row shows the name 'Bhargav' and an 'INFO' button. The background of the table area shows an illustration of three medical professionals (two doctors and one nurse) in a clinical setting.

NAME	INFO
Bhargav	INFO

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Detail Information

13761377000c000c000v000e X (1) WhatsApp X WTACC_HA_DESIGN_GROUP 11 X W Telecare - Wikipedia X New X +

localhost:3000/60a556238d640952c42db52f ☆ 🔍 ⚙️ 👤

TeleCare Home abhijit_11 New Names LogOut

Detail Information of Patient

Name: Bhargav
Disease: fever
Age: 21
Bloodgroup : B+
Previous Prescription:

Prescription

Submit

Prescription: Sleep Well

Prescription: Crosin 2 times Dollo 2 times

Edit Delete

Type here to search

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