



EasyHealth

Healthcare Information Management system



A guide by
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Taiabur

Develop by
Imran

Zain

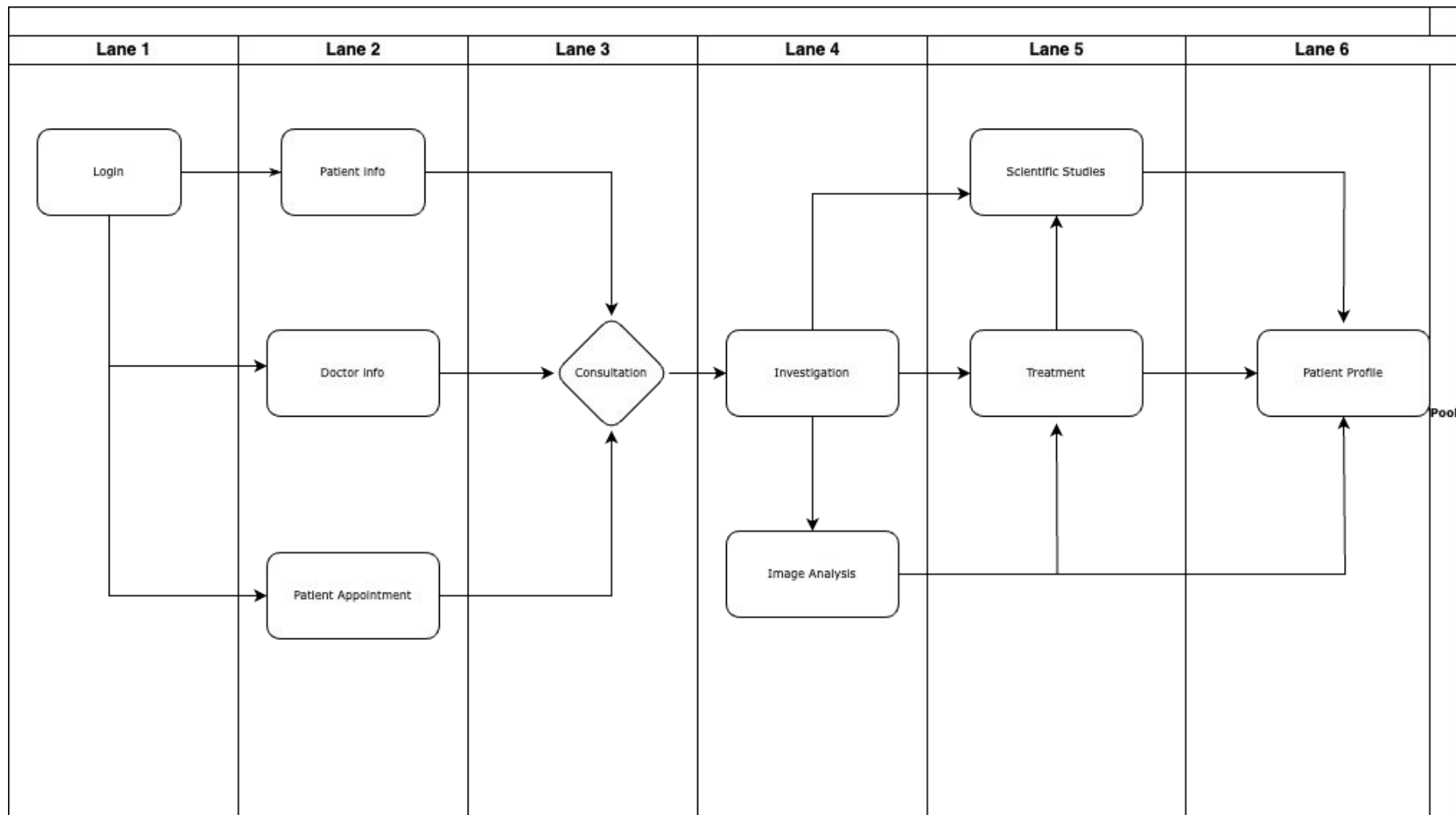
Outline

- **Objective**
Highlight about project details.
- **Project Overview**
- **Mockup of the Application**
 - ◆ Must have
 - ◆ Should Have
 - ◆ Could have
- **Environment and technologies**
- **Milestone**



Objective

- To develop a comprehensive Healthcare Information Management System that streamlines the process of managing healthcare data and facilitates efficient healthcare service delivery.



Mockup

Must-Have Features

- User authentication and access control for healthcare professionals.
- Patient registration and management.
- Doctor registration and management.
- Electronic Health Records (EHR) management.
- Appointment scheduling and management.
- Prescription and medication management.
- Reporting and analytics for data-driven decision making.

Mockup

Must have

A Web Page

https://www.unicas.diqcare.com:9696

Login area

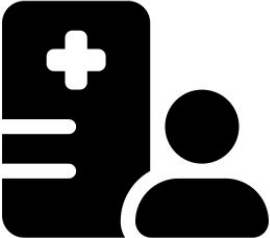
Please input valid information

Login username

reset Login

Welcome to EasyHelth

Healthcare Information
Management System



Mockup

Must have

A Web Page

https://www.unicas.digcare.com:9696


Add New Patient Info

Patient name

Patient Phone

Patient Email

Patient Blood Group

Date of birth / / 

☐ Male ☐ Female

Save & Set Appointment

reset Save

Mockup

Must have

A Web Page

https://www.unicas.diqcare.com:9696

Patients

Patient name Patient Phone Registration Date / / Search

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Mockup

Must have

Patients

[Add New Patient](#)

Patient Name: Patient Phone: Create Date: 

Patient ID	Patient Name	Patient Phone	Patient Email	Patient DOB	Actions	
P2305114536	Taiabur	01914651671	taiaburbd@gmail.com	2023-05-11	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
P230512117	Carmen	00000	carman@man.com	2023-05-12	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
P230512292	Zain	00000000	Zain@gmail.com	2023-05-12	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
P2305122921	Imran Khan	00000000	imran@khan	2023-05-12	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
P2305132656	Amina	000000	amina@bz.com	2023-05-13	<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Mockup

Must have

A Web Page

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Add New Doctor Info

Mockup

Must have

A Web Page

https://www.unicas.diqcare.com:9696

Doctors

Doctor name Doctor Phone Registration Date / / Search


Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Mockup

Must have

[Home](#) [Appointment](#) [Doctors](#) [Patients](#) [Prescription](#) [Medical Imaging](#) [Treatment](#) [Followup](#) [Settings](#) [Logout](#)

Doctors

Doctor Name: Doctor Phone: Create Date:  [Search](#)

Doctor ID	Name	Doctor Phone	Actions	
1	Mr Doctor Rock	00000	Update	Delete
2	Mr Doctor Nick	00000	Update	Delete

Mockup

Must have


A Web Page

https://www.unicas.diqcare.com:9696

Add New Appointment

Patient ID

Select Doctor ▼

Appointment Date
 / / 

Select Time slot ▼

Save & Go Prescription

reset Save

Mockup

Must have

A Web Page

X

https://www.unicas.diqcare.com:9696

Q

Patient Appointment

Patient ID

Appointment Date / /

Search


Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Mockup

Must have

[Home](#) [Appointment](#) [Doctors](#) [Patients](#) [Prescription](#) [Medical Imaging](#) [Treatment](#) [Followup](#) [Settings](#) [Logout](#)

Patient Appointment


Patient ID: Appointment Date:  [Search](#)

Appointment ID	Patient Name	Doctor Name	Appointment Date	Time	Actions
1	Taiabur	Mr Doctor Nick	2023-05-15	11:00	Delete
2	Carmen	Mr Doctor Nick	2023-05-15	12:00	Delete
4	Imran Khan	Mr Doctor Rock	2023-05-16	15:00	Delete

Add New Appointment

Patient ID:

Doctor Name:

Appointment Date: 

Time slot: :

[Save](#)

Mockup

Must have

A Web Page

<https://www.unicas.diqcare.com:9696>

Prescription

☐ DM ☐ HTN ☐ IHD ☐ CKD ☐ CABG ☐ Stenting ☐ Anti Coagulaut ☐ BEP ☐ Thyroid ☐ PACE Macker

Investigation advice

Treatment plan

Doctor Note

Mockup

Should have

A Web Page

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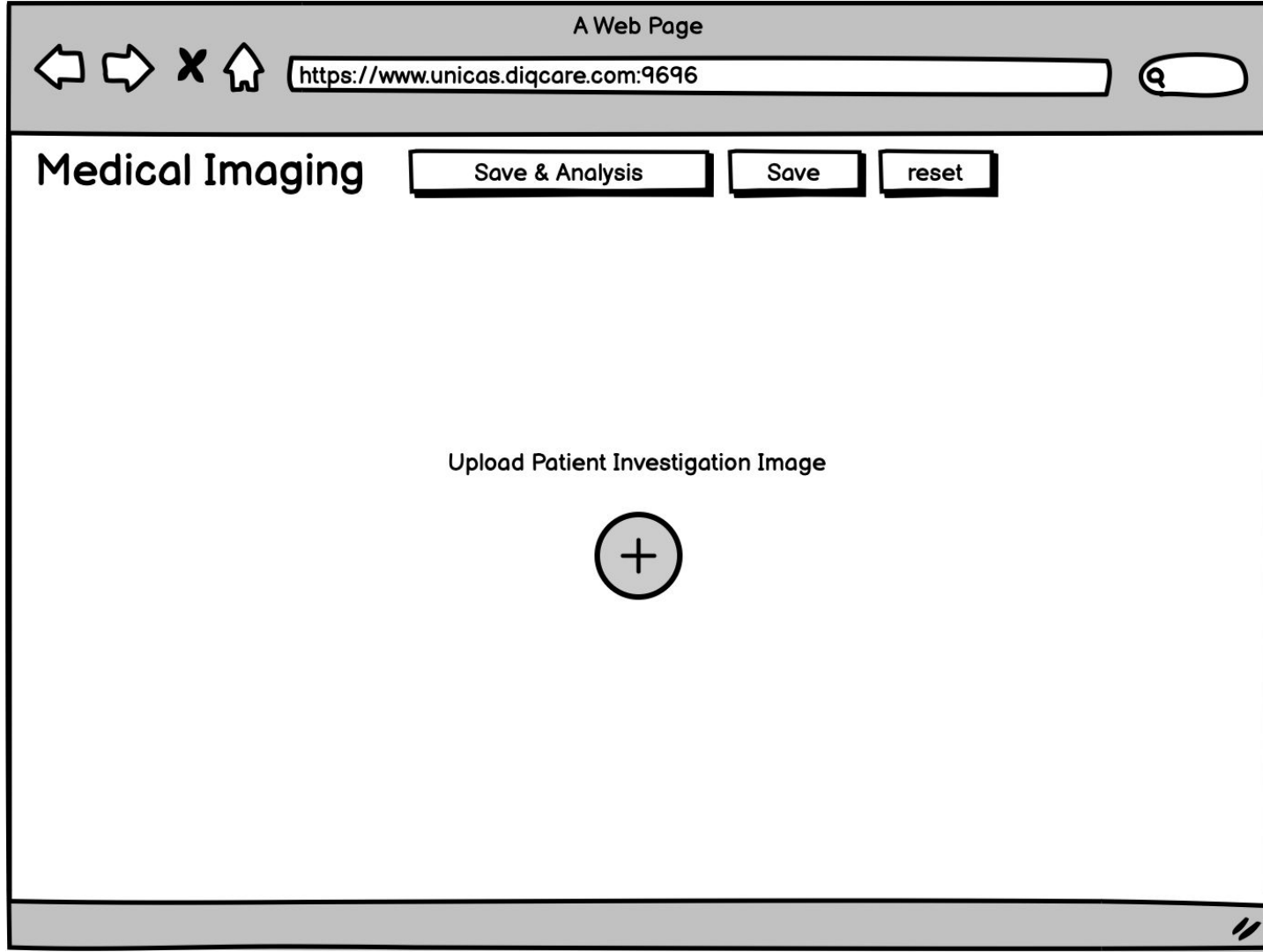
Patient Prescription

Prescription Date 📅

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Mockup

Could have



Mockup

Could have

A Web Page

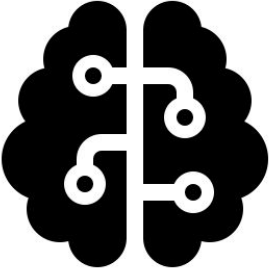
<https://www.unicas.diqcare.com:9696>

Medical Image Analysis

Patient ID


Patient name

Patient Phone



Select Analysis Methodos

- ☐ Average Smoothing
- ☐ Gaussian Filter
- ☐ Laplacian Filter
- ☐ Roberts Filter
- ☒ Canny edge detection



Doctor Comments

Mockup

Could have

A Web Page

← → × 🏠 🔍

Medical Treatment

<input type="text" value="Patient ID"/>	<input type="text" value="Patient name"/>	<input type="text" value="Patient Phone"/>
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<div>Diagnosis Data</div> <div></div>	<div>Treatment Instruction</div> <div></div>	<div>Doctor Note</div> <div></div>
---------------------------------------	--	------------------------------------

<input type="button" value="Save & Print"/>	<input type="button" value="Save"/>	<input type="button" value="reset"/>
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Mockup

Could have

A Web Page

<https://www.unicas.diqcare.com:9696>

Scientific study

Systemic Investigation

☐ FBS ☐ PPBS ☐ HDL ☐ LDL ☐ HBA1C ☐ S.Creatinine ☐ Total Cholesterol ☐ Triglyceride

Ocular History

☐ Ocular Trauma ☐ Ocular Surgery

Systemic disease

☐ Hypertension ☐ Diabetes Mellitus ☐ Dyslipidemia

Systemic co-morbidities

☐ Renal Disease ☐ Hepatic Impairment ☐ Vascular Disease ☐ Blood Disease ☐ Heart Block

Treatment Ocular

☐ Avastin (Bevacizumab) ☐ Lucentis (Ranibizumab) ☐ Eylea (Aflibercept) ☐ Eylea (Aflibercept)

☐ Brolucizumab



→ **Operating System**

Ububtu 20.04

→ **Webserver**

Tomcat 9.0.74



Apache Tomcat

Tools

Frontend tools

HTML

CSS

JavaScript

Jquery

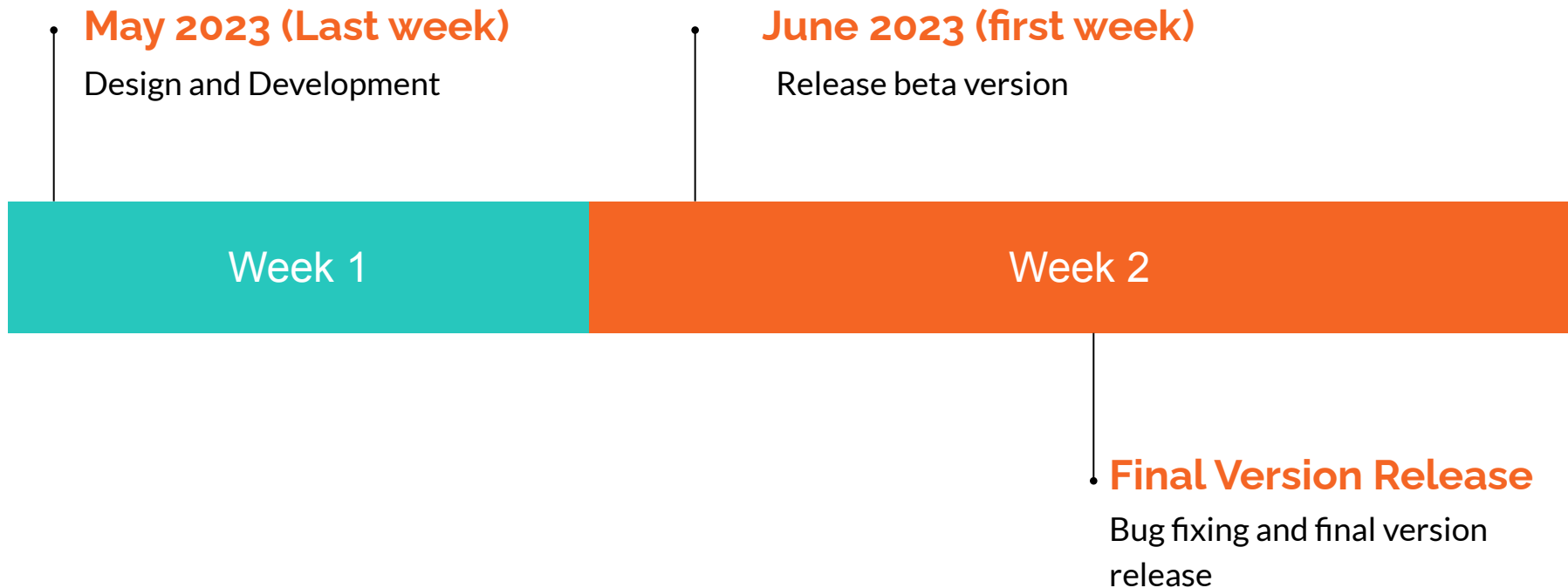
Backend

OOP Java

Databases

MySQL

Milestones



Thank you!

