Batch: D-2 **Roll No.:** 16010122151

Experiment / assignment / tutorial No.___6___

Title: User interface design using UI tools for mini project

Aim: To enable the students learn different user interface design tools and their aspects

Books/ Journals/ Websites referred:

1. Roger Pressman, "Software Engineering", sixth edition, Tata McGraw Hill.

Pre Lab/ Prior Concepts:

The user interface Need:

System users often judge a system by its interface rather than its functionality. A poorly designed interface can cause a user to make catastrophic errors. Poor user interface design is the reason why so many software systems are never used. Most users of business systems interact with these systems through graphical interfaces although.

GUI characteristics

Windows Multiple windows allow different information to be displayed simultaneously on the user's screen. Icons different types of information. On some systems, icons represent files; on others, icons represent processes. Menus Commands are selected from a menu rather than typed in a command language. A pointing device such as a mouse is used for selecting choices from a menu or indicating items of interest in a window.

GUI advantages

They are easy to learn and use.

• Users without experience can learn to use the system quickly

The user may switch quickly from one task to another and can interact with several different applications.

Information remains visible in its own window when attention is switched.

Fast, full-screen interaction is possible with immediate access to anywhere on the

User Interface Design Models

User model — a profile of all end users of the system

Design model — a design realization of the user model

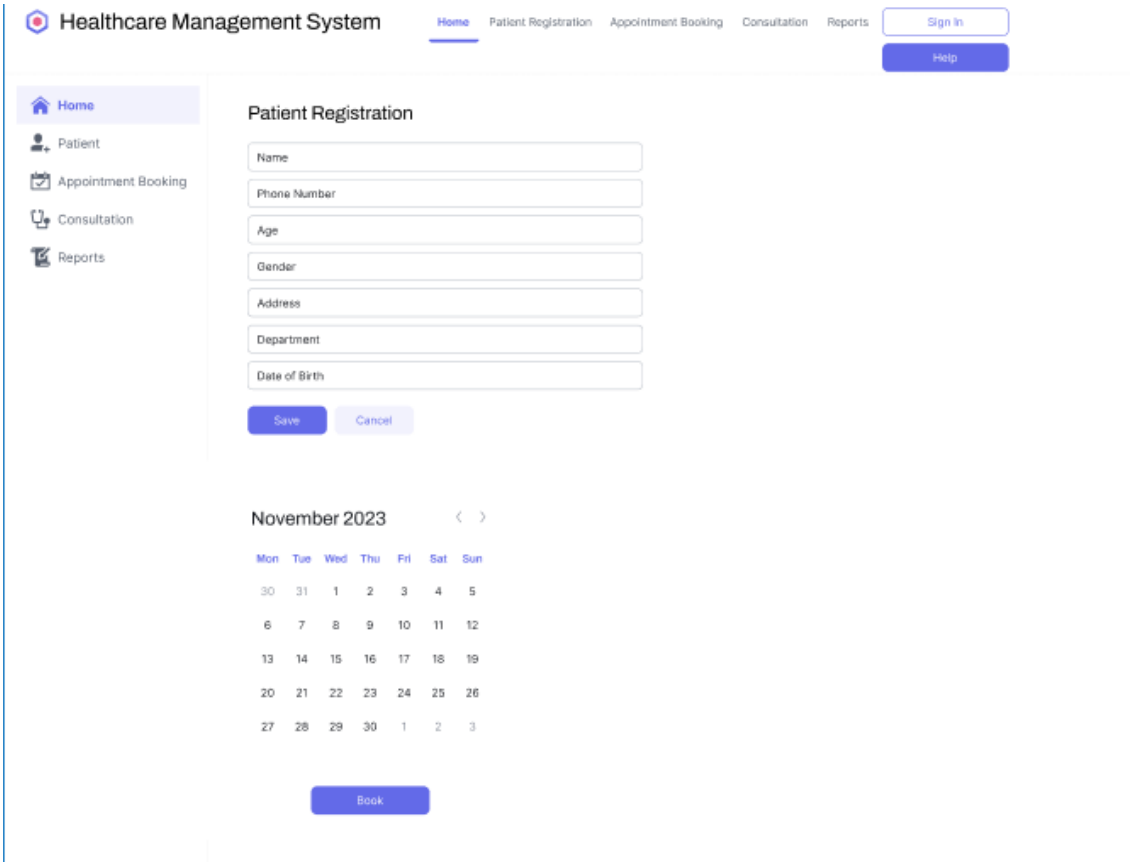
Mental model (system perception) — the user's mental image of what the interface is

Implementation model — the interface "look and feel" coupled with supporting information that describe interface syntax and semantics

User interface design analysis:

The overall process for analysing and designing a user interface begins with the creation of different models of system function (as perceived from the outside). You begin by delineating the human- and computer-oriented tasks that are required to achieve system function and then considering the design issues that apply to all interface designs. Tools are used to prototype and ultimately implement the design model, and the result is evaluated by end users for quality.

Study and describe any one user interface tools


Healthcare Management System
Home
Patient Registration
Appointment Booking
Consultation
Reports
Sign In
Help
Home
Patient
Appointment Booking
Consultation
Reports
Patient Registration
Name
Phone Number
Age
Gender
Address
Department
Date of Birth
Save
Cancel
November 2023
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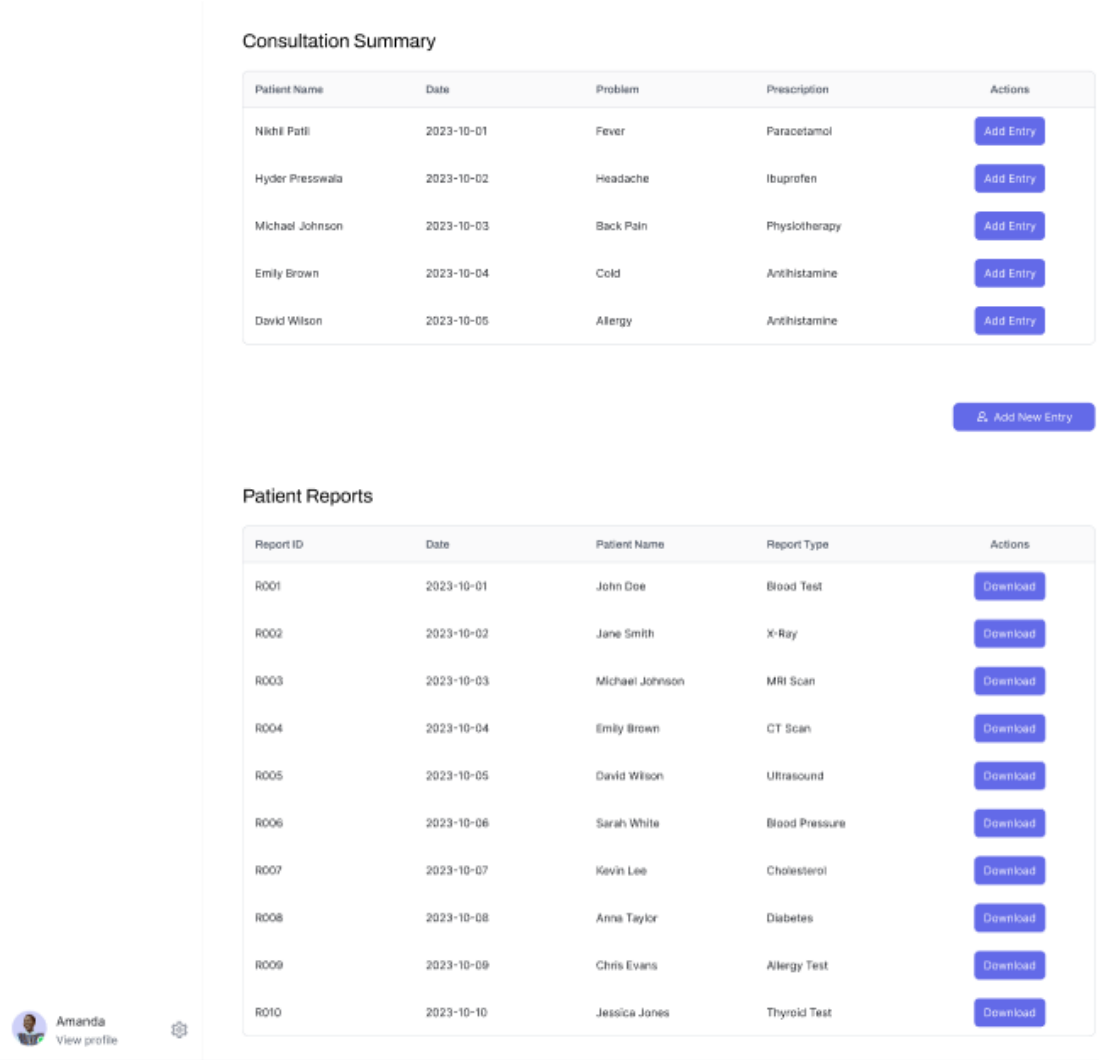
Book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Date
Problem
Prescription
Actions
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2023-10-01
Fever
Paracetamol
Add Entry
Hyder Presswala
2023-10-02
Headache
Ibuprofen
Add Entry
Michael Johnson
2023-10-03
Back Pain
Physiotherapy
Add Entry
Emily Brown
2023-10-04
Cold
Antihistamine
Add Entry
David Wilson
2023-10-05
Allergy
Antihistamine
Add Entry
Add New Entry
Patient Reports
Report ID
Date
Patient Name
Report Type
Actions
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2023-10-01
John Doe
Blood Test
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R002
2023-10-02
Jane Smith
X-Ray
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R003
2023-10-03
Michael Johnson
MRI Scan
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R004
2023-10-04
Emily Brown
CT Scan
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R005
2023-10-05
David Wilson
Ultrasound
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R006
2023-10-06
Sarah White
Blood Pressure
Download
R007
2023-10-07
Kevin Lee
Cholesterol
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R008
2023-10-08
Anna Taylor
Diabetes
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R009
2023-10-09
Chris Evans
Allergy Test
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R010
2023-10-10
Jessica Jones
Thyroid Test
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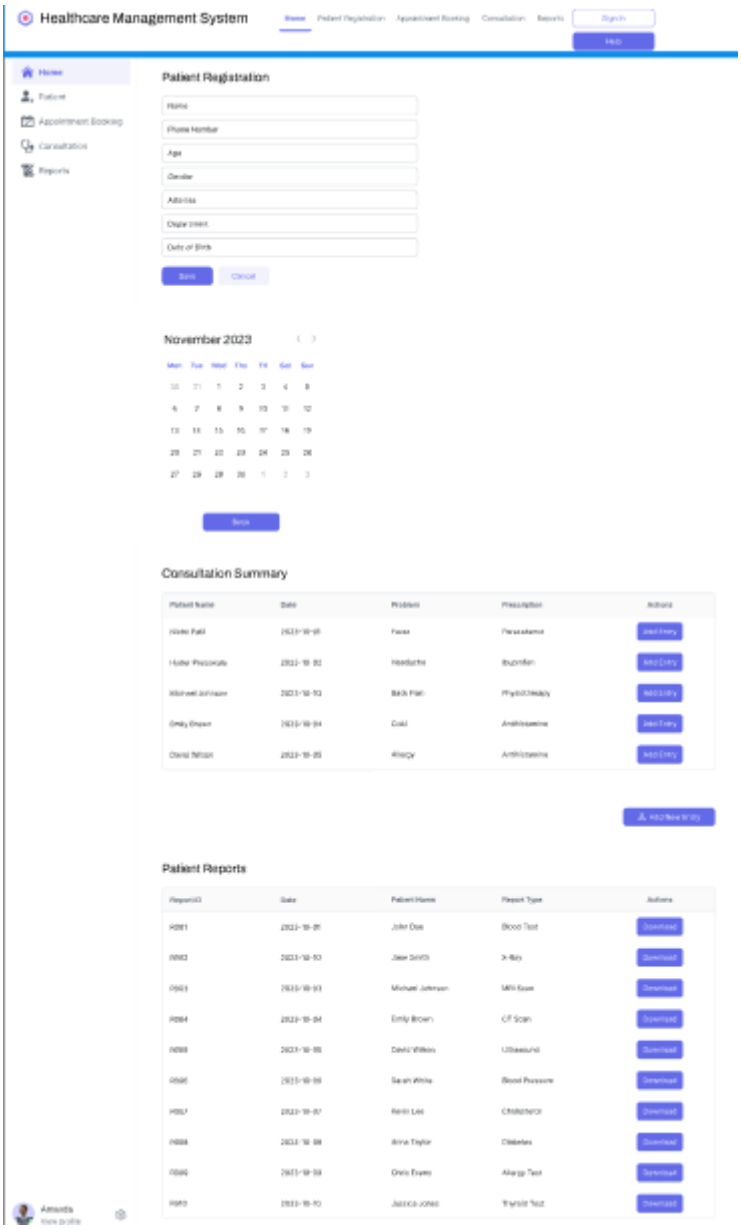
Amanda
View profile


Healthcare Management System
Patient Registration
November 2023
Consultation Summary
Patient Reports