CHAPTER-1
INTRODUCTION
TO
PROJECT

1.1 About Project :

The "Audiologists Diagnostic Assessment Port" is designed to assist audiologists in diagnosing and assessing young patients between the ages of 0-6. The port provides an easy-to-use, web-based system for managing patient information, conducting online assessments, scheduling appointments, and generating reports. It is intended to streamline the process of identifying and evaluating potential hearing and developmental issues in young children.

This port has two main components: the “Admin Side” and the “User Side”. The admin side allows audiologists and clinic staff to manage data related to patients, doctors, employees, and assessment questions. Admins can securely log in to the port and access a variety of "Master" pages where they can add, edit, or remove information. This ensures that all records are up-to-date and organized, making it easier to provide care to young patients.

The user side is designed for patients (or their caregivers) to log in and interact with the port. They can schedule appointments with audiologists, view their diagnostic history, and participate in online assessments. The assessments consist of questions that help identify potential hearing or developmental issues. Once the assessment is completed, the system generates results that can be reviewed by both caregivers and audiologists.

The port is built using modern web technologies like HTML, CSS, Bootstrap, and JavaScript for the frontend. On the backend, Python's CGI (Common Gateway Interface) library is used to handle data processing and communication with the MySQL database, where all patient, appointment, and assessment data is stored. This combination of technologies makes the port highly efficient, secure, and easy to maintain.

This project not only simplifies the diagnostic process for audiologists but also provides a convenient platform for caregivers to monitor and manage their child’s health.

1.2 Existing System :

In the current healthcare system, diagnosing and managing hearing and developmental issues in young children (aged 0-6) is often a manual and time-consuming process. Audiologists typically rely on paper records or separate software tools to maintain patient data, schedule appointments, and perform assessments. This fragmented approach makes it difficult to track patient progress and provide timely care.

Existing systems often lack an integrated platform where patient data, assessment tools, and appointment scheduling are all connected. As a result, audiologists may face challenges in maintaining accurate records, and patients or their caregivers may struggle to schedule appointments or access their diagnostic results. Moreover, caregivers might need to physically visit clinics for every assessment, which can be inconvenient, especially when dealing with young children.

There is also a lack of standardized online assessments in the current system. Many diagnostic tests are performed in person, which can be time-consuming and stressful for both the child and the caregiver. Additionally, there is no easy way to store or analyze assessment results over time, limiting the ability to track a child's development and make informed decisions about further care.

The existing system’s reliance on manual processes increases the risk of errors, delays, and inefficiencies in the diagnosis and treatment of young patients. This highlights the need for a more streamlined and integrated solution, like the Audiologists Diagnostic Assessment Port, which simplifies these processes for both audiologists and caregivers.

1.3 Needs and Scope of Computer System :

In today's fast-paced medical environment, there is an increasing need for a computerized system that can manage and simplify the work of audiologists and caregivers. A computer-based solution can help automate various tasks like patient management, diagnostic assessments, and appointment scheduling, reducing the burden on healthcare professionals and improving the overall efficiency of the care process.

One of the primary needs for a computer system in this field is to provide a centralized platform where all patient-related data is stored securely and can be accessed easily by authorized personnel. This eliminates the need for paper records and reduces the chances of lost or incomplete information. The system can also store and track assessment results over time, allowing audiologists to monitor the developmental progress of young patients and make more informed decisions regarding their care.

Another critical need is the ability to perform online assessments, which can be taken from the comfort of the patient's home under the supervision of their caregivers. This saves time and reduces the stress of frequent clinic visits, especially for children. A computer system also allows for immediate processing and storage of results, ensuring that they are readily available for review by both caregivers and medical professionals.

The scope of a computer system like the Audiologists Diagnostic Assessment Port is vast. It can be used by audiologists to manage patients across multiple clinics, allowing for a standardized method of assessment and data collection. Additionally, the system can be expanded to include other diagnostic tools and reporting features, improving its effectiveness in providing early interventions for young children.

Overall, the computer system not only addresses the current shortcomings of manual processes but also opens up new possibilities for more streamlined, accurate, and patient-friendly care.

CHAPTER-2

PROPOSED SYSTEM

OF

PROJECT

2.1 Objectives :

The objectives of the "*Audiologists Diagnostic Assessment Port*" are focused on improving the efficiency, accuracy, and accessibility of audiological care for young children. The key objectives of this project are outlined as follows:

1. Centralized Data Management :

The primary objective is to create a secure and centralized system for managing patient data, including personal details, medical history, and assessment results. This system will allow audiologists and caregivers to access accurate and up-to-date information at any time, ensuring that the child's developmental progress is carefully monitored.

2. Streamlined Appointment Scheduling :

The system aims to simplify the appointment scheduling process by providing an easy-to-use interface for both caregivers and clinic staff. This will reduce the back-and-forth communication often involved in scheduling, leading to better time management for both the audiologists and patients.

3. Automated Diagnostic Assessment :

One of the main objectives is to provide an online platform for conducting diagnostic assessments. This will allow caregivers to perform assessments for their children at home, under the guidance of the system, reducing the need for frequent in-clinic visits and providing early identification of potential hearing or developmental issues.

4. Efficient Record Keeping and Reporting:

The system aims to enhance the efficiency of record-keeping by storing all data electronically and generating detailed reports for both audiologists and caregivers. This will facilitate better tracking of patient progress and enable healthcare providers to make more informed decisions based on historical data.

5. User-Friendly Interface :

The objective is to design an intuitive and user-friendly interface using modern web technologies. The port should be accessible to users with minimal technical knowledge, ensuring that caregivers and healthcare staff can navigate the system effortlessly.

6. Secure and Scalable Solution :

Ensuring data security is a critical objective. The system will be designed to securely handle sensitive patient information in compliance with healthcare regulations. Additionally, the port will be scalable, allowing it to grow as the number of patients and clinics using the system increases.

By achieving these objectives, the Audiologists Diagnostic Assessment Port will not only improve the workflow for audiologists but also provide a better, more convenient care experience for patients and their caregivers.

2.2 Requirement Engineering

- **Feasibility Study :-**

A feasibility analysis usually involves a thorough assessment of the operational (need) financial and technical aspects of a proposal. Feasibility study is the test of the system proposal made to identify whether the user needs may be satisfied using the current software and hardware technologies, whether the system will be cost effective from a business point of view andwhether it can be developed with the given budgetary constraints. A feasibility study should be relatively cheap and done at the earliest possible time. Depending on the study, the decision is madewhether to go ahead with a more detailed analysis.

When a new project is proposed, it normally goes through feasibility assessment. Feasibility study is carried out to determine whether the proposed system is possible to develop with available resources and what should be the cost consideration.

Facts considered in the feasibility analysis were :-

- ❖ Technical Feasibility.
- ❖ Economic Feasibility.
- ❖ Operational Feasibility

- **Technical Feasibility :-**

Technical feasibility includes whether the technology is available in the market for development and its availability. The assessment of technical feasibility must be based on an outline design of system requirements in terms of input, output, files, programs, and procedures: This can be qualified in terms of volumes of data, trends, frequency of updating cycles of activity, etc. in order to give an introduction of technical system.

- **Economic Feasibility :-**

This feasibility study present tangible and intangible benefits from the project by comparing the development and operational cost. The technique of cost benefit analysis is often used as a basis for assessing economic feasibility. This system needs some more initial investment than the existing system, but it can be justifiable that it will improve quality of service.

Thus, feasibility study should center along the following points:

- Improvement resulting over the existing method in terms of accuracy, timeliness.
- Cost comparison.
- Estimate on the life expectancy of the hardware.
- Overall objective

Our project is economically feasible. It does not require much cost to be involved in the overall process. The overall objective is in easing out the recruitment processes.

- **Operational Feasibility :-**

This analysis involves how it will work when it is installed and the assessment ofpolitical and managerial environment in which it is implemented. People are inherently resistant tochange and computers have been known to facilitate change. The new proposed system is very much useful to the users and therefore it will accept broad audience from around the world.

2.2.1 Requirement Gathering :-

- Software Requirement Specification

SRS is a document created by system analyst after the requirements are collectedfrom various stakeholders.

SRS defines how the intended sollware will interact with hardware, externalinterfaces, speed of operation, response time of system portability of software across various platforms, maintainability, speed of recovery after crashing. Security, Quality, Limitations etc.

The requirements received from client are written in natural langage. It is the responsibility of system analyst to document the requirements in technical language so that they can be comprehended and useful by the software development team

SRS should come up with following features:-

- User Requirements are expressed in natural language.
- Technical requirements are expressed in structured language, which is used inside the organization
- Design description should be written in Pseudo code.
- Format of Forms and GUI screen prints.
- Conditional and mathematical notations for DFDs etc.

2.2.2 Software Requirements :-

We should try to understand what sort of requirements may arise in the requirementelicitation phase and what kinds of requirements are expected from the software system.

Broadly software requirements should be categorized in two categories:

- **Functional Requirements :**

Requirements, which are related to functional aspect of software fall into this category. They define functions and functionality within and from the software system.

Examples -

- Search option given to user to search from various invoices.
- User should be able to mail any report to management.
- Users can be divided into groups and groups can be given separate rights.
- Should comply business rules and administrative functions.
- Software is developed keeping downward compatibility intact.

- **Non-Functional Requirements:**

Requirements, which are not related to functional aspect of software, fall into this category. They are implicit or expected characteristics of software, which users make assumption of Non-functional requirements include -

- Security
- Logging
- Storage
- Configuration
- Performance
- Cost
- Interoperability
- Flexibility
- Disaster recovery
- Accessibility

PYTHON :

Python is a versatile and widely-used programming language that is popular in various domains such as web development, data science, automation, and more. It was created by Guido van Rossum and first released in 1991.

- Python is named after the British comedy group "Monty Python," reflecting the language's philosophy of simplicity and fun.
- Python is a high-level, interpreted language known for its easy-to-read syntax, making it accessible to both beginners and experienced developers.
- Python is a versatile language that supports multiple programming paradigms, including procedural, object-oriented, and functional programming.
- Python is often used in web development, data analysis, artificial intelligence, automation, and scientific computing.
- Python can be integrated with various databases, including MySQL, PostgreSQL, SQLite, and Oracle.
- Python's performance is optimized by a variety of implementations, such as CPython, PyPy, and Jython, which allow it to be used in different environments and with various performance requirements.
- Python's standard library is extensive, providing modules and packages for nearly every task, from file handling to networking, ensuring fast development times.
- Python's community has created a vast ecosystem of libraries and frameworks, such as Django for web development, Pandas for data analysis, and TensorFlow for machine learning.

Characteristics of PYTHON :

Five important characteristics make Python's practical nature possible

- Simplicity.
- Efficiency.
- Security.
- Flexibility
- Familiarity.

CSS :

Cascading Style Sheet (CSS) is used to set the style in web pages that contain HTML elements. It sets the background color, font-size, font-family, color, etc. property of elements on a webpage.

There are three types of CSS which are given below:

1. Inline CSS
2. Internal or Embedded CSS
3. External CSS

Inline CSS :

Inline CSS contains the CSS property in the body section attached with element is known asinline CSS. This kind of style is specified within an HTML tag using the style attribute.

Internal CSS :

This can be used when a single HTML document must be styled uniquely. The CSS rule set should be within the HTML file in the head section i.e. the CSS is embedded within the HTML file.

External CSS :

External CSS contains separate CSS file which contains only style property with the help oftag attributes (For example class, id, heading etc.). CSS property written in a separate file with less extension and should be linked to the HTML document using link tag. This means that for each element, style can be set only once and that will be applied across web pages.

Back End: MySQL :

Introduction with MySQL:

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed, and supported by MySQL AB, which is a Swedish company. MySQL isbecoming so popular because of many good reasons-

- MySQL is released under an open-source license. So, you have nothing to pay to use i
- MySQL is a very powerful program. I than sub set of the functionality of the most expensive andpowerful data base packages.
- MySQL uses a standard form of the well-known SQL data language.
- MySQL works on many operating systems and with many languages including PHP, PERL, C,C++, JAVA, etc.
- MySQL works very quickly and works well even with large datasets.
- MySQL is very friendly to PHP, the most appreciated language for web development.
- MySQL supports large databases, up to 50 million rows or more in a table. The default file sizelimit for a table is 4GB, but you can increase this (if your operating system can handle it) to the oretical limit of 8 million tera bytes (TB).

IDE :

Visual Studio Code :

Visual Studio Code, also commonly referred to as VS Code, is a source-code editor made by Microsoft with the Electron Framework, for Windows, Linux and macOS. Features include support fordebugging, syntax highlighting, intelligent code completion, snippets. code refactoring, and embedded Git

CHAPTER-3

SYSTEM ANALYSIS

OF

PROJECT

3.1 System Diagram :

- **Data Flow Diagram :**

DFD is also known as Bubble Chart Its purpose as to classify system requirement and identifying major transformation that will become program in a system design. So, it is a starting point of the design phase that functionality decomposes the requirements specifications down to the lowest level ofthe detail A DFD consists of series of bubbles joined by lines. The bubble represents data transmission andline represents data flow in the system.

- **Entity Relationship Diagram :**

Entity relationship diagram graphically represent overall logical structure of database whichincludes interactions between entity of various ways Entity relationship (ERD) illustrates the logical structure of database Entity relationship ERD's in 1976 since then Charles Bachman and James Martin have added some slight refinements to the basic ERD principles.

- **Unified Modelling Language Diagram :**

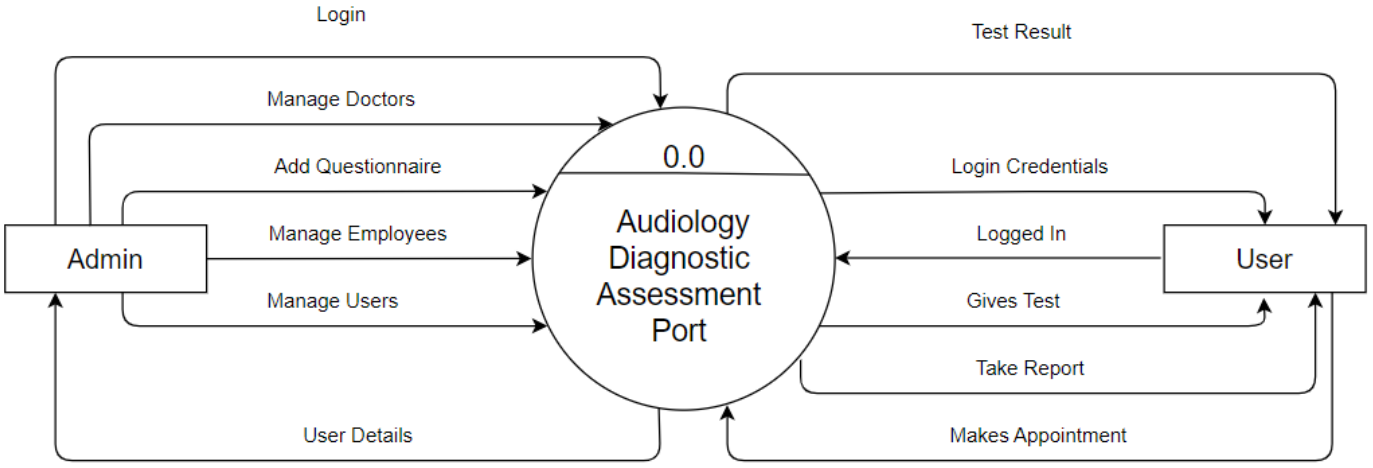
Unified Modeling Language (UML) is a standardized modeling language used in software engineering to visually represent a system's design. It provides a set of graphical notations that help communicate and document various aspects of a software project. UML diagrams serve as a visual communication tool, allowing developers, stakeholders, and other project members to better understandthe architecture, behavior, and structure of a software system. The choice of which diagrams to use depends on the specific needs and focus of the project.

- **Gantt Chart :**

A Gantt chart is a visual representation of a project schedule that shows tasks or activities overtime, Gantt charts are valuable tools for project management because they provide a clear visual representation of the project schedule, helping teams and stakeholders understand task dependencies, allocate resources, and monitor progress. They are widely used in various industries to plan and manageprojects of different sizes and complexities.

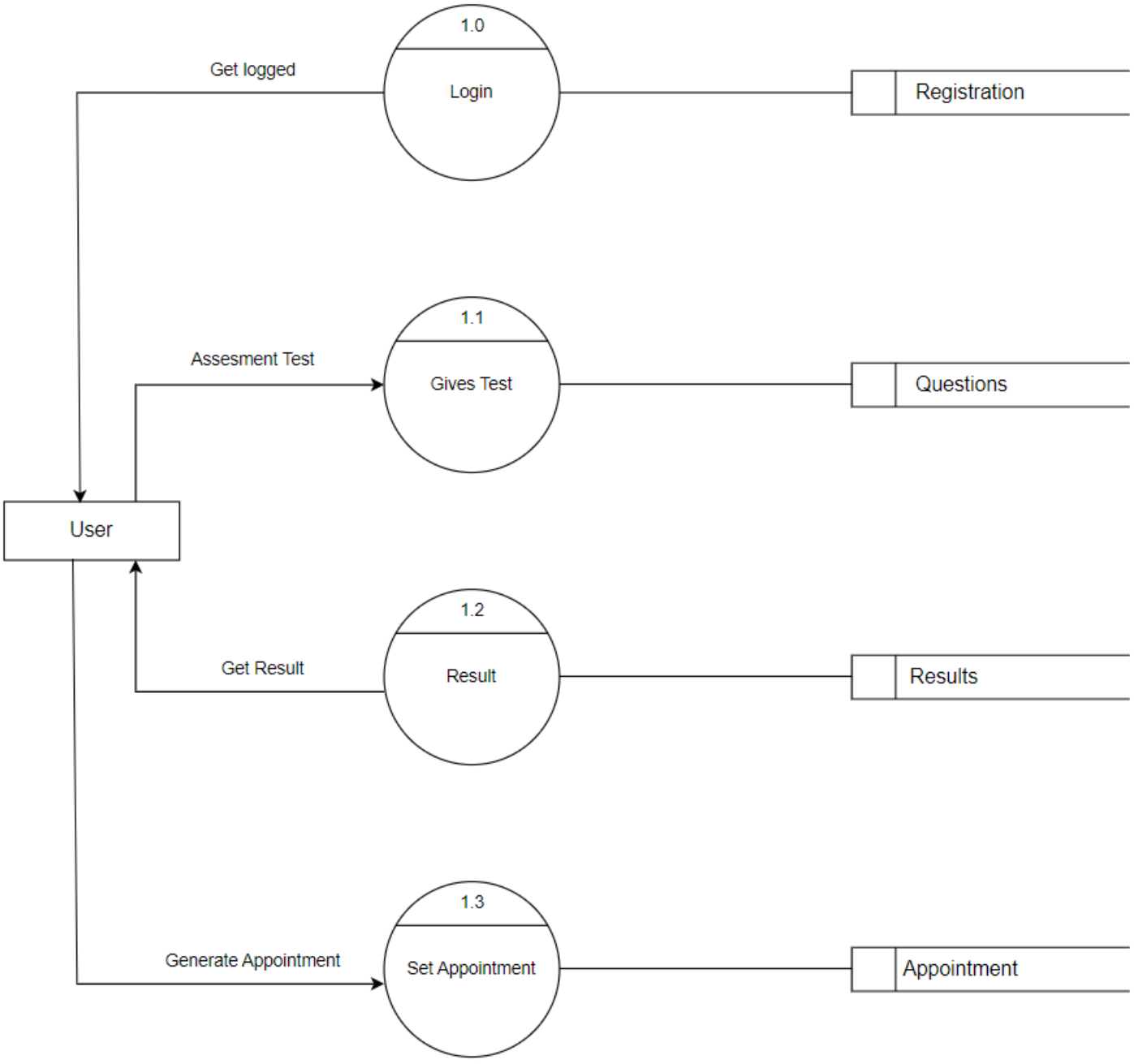
3.1.1 DFD (Data Flow Diagram) :

3.1.1.1 Context (Zero) Level DFD :

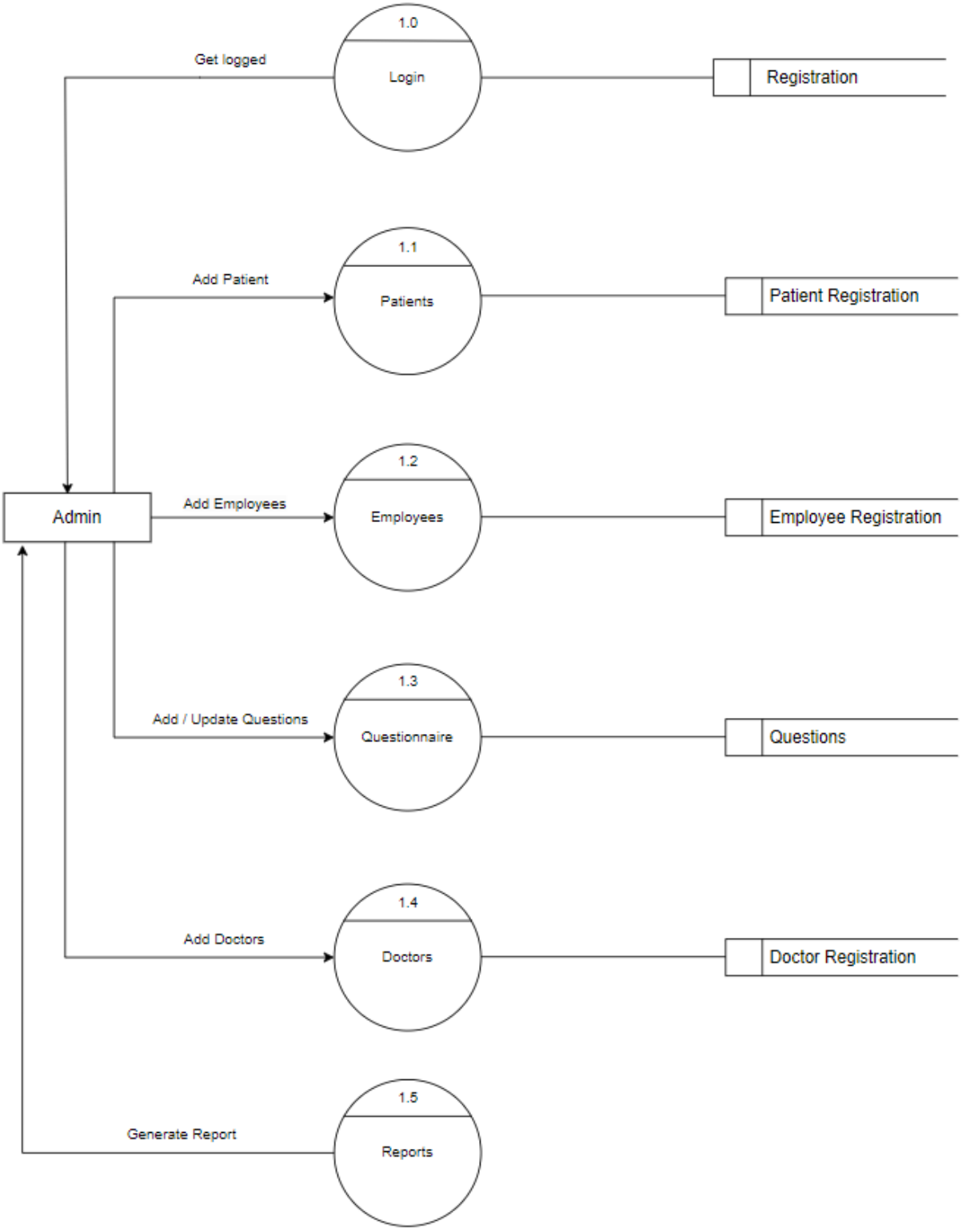


Context Level DFD

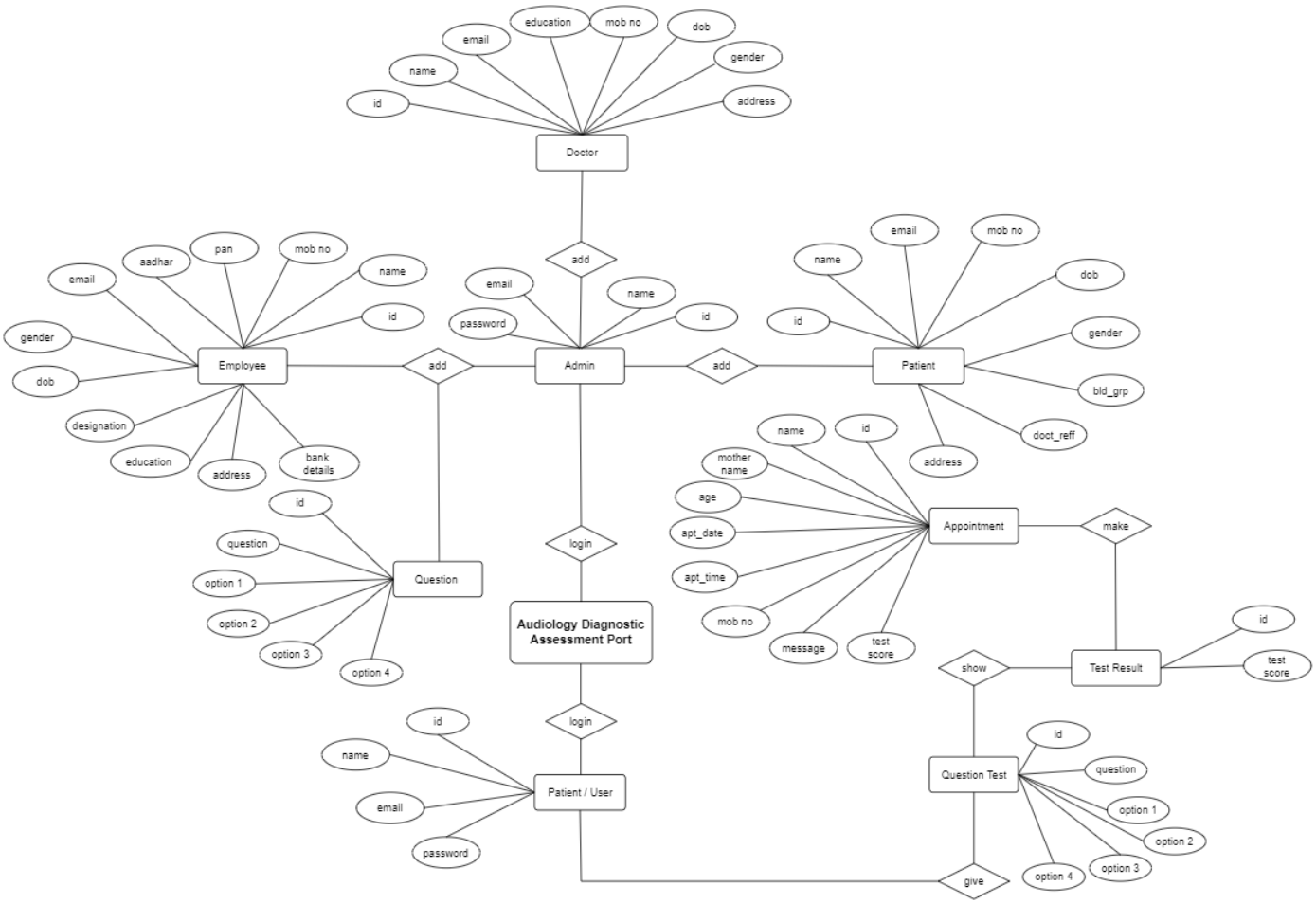
3.1.1.2 1st Level DFD (user) :



3.1.1.2 1st Level DFD (admin) :

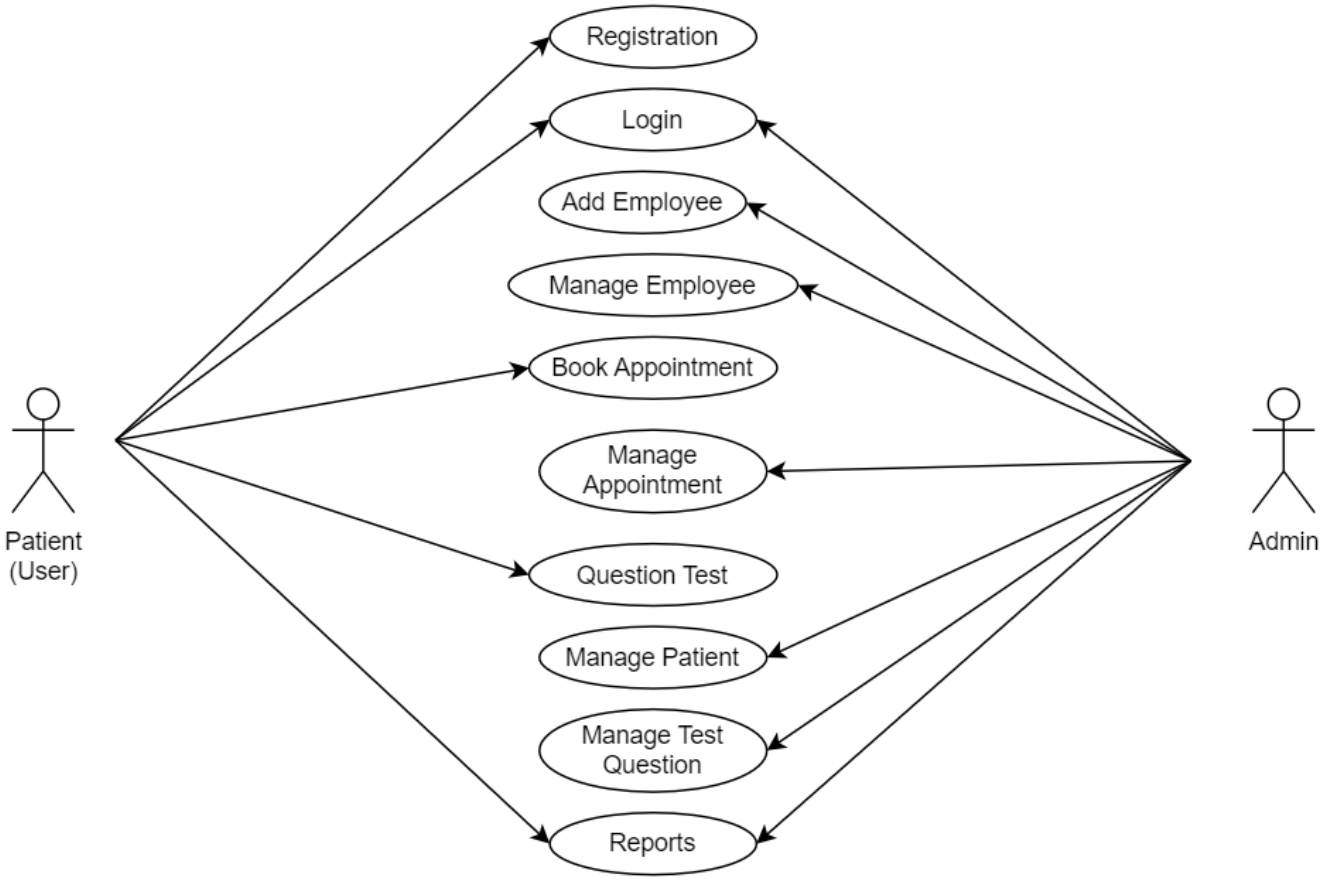


3.1.2 ERD (Entity Relationship Diagram) :



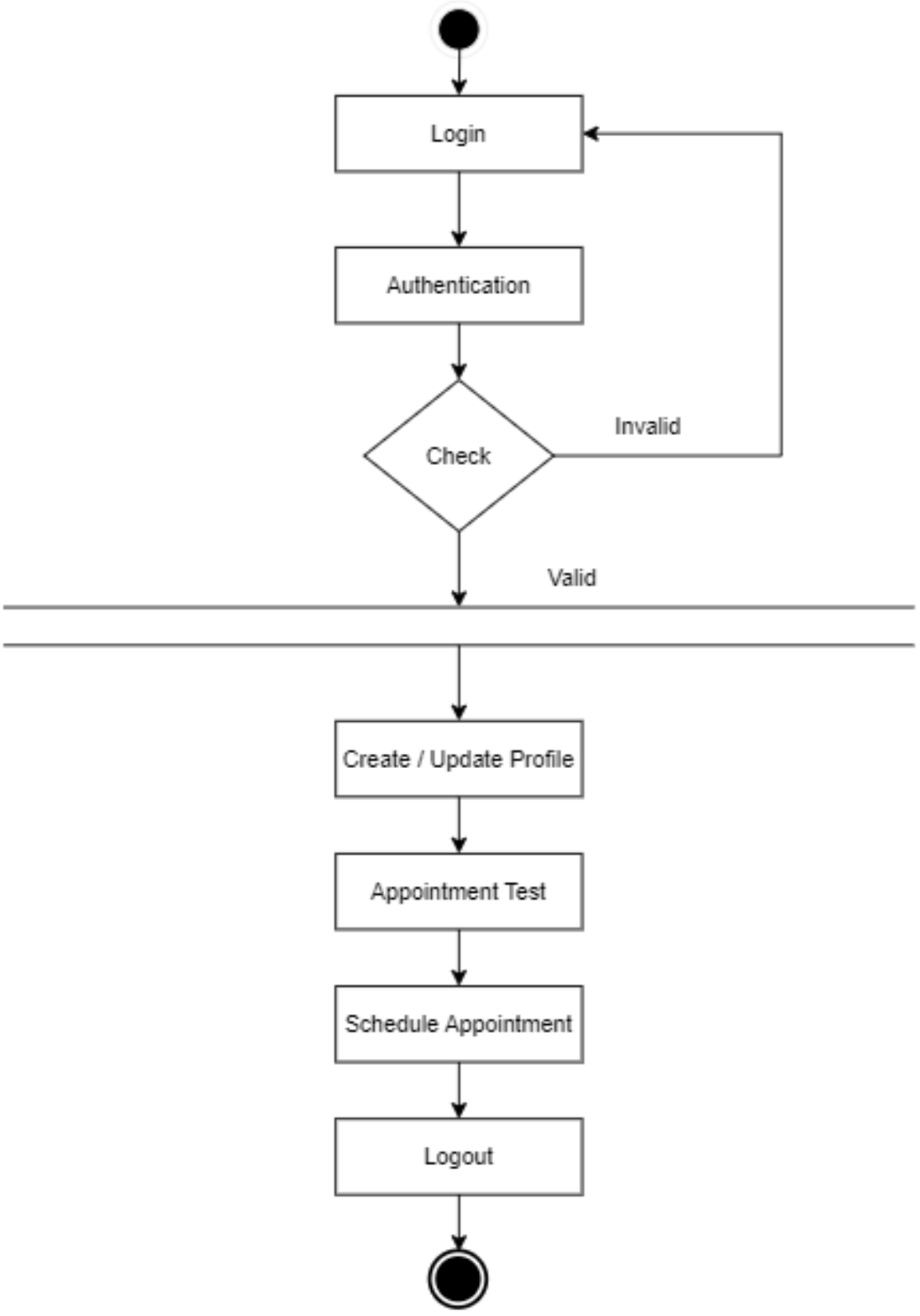
3.1.3 UML (Unified Modeling Language) :

1. Use Case Diagram :

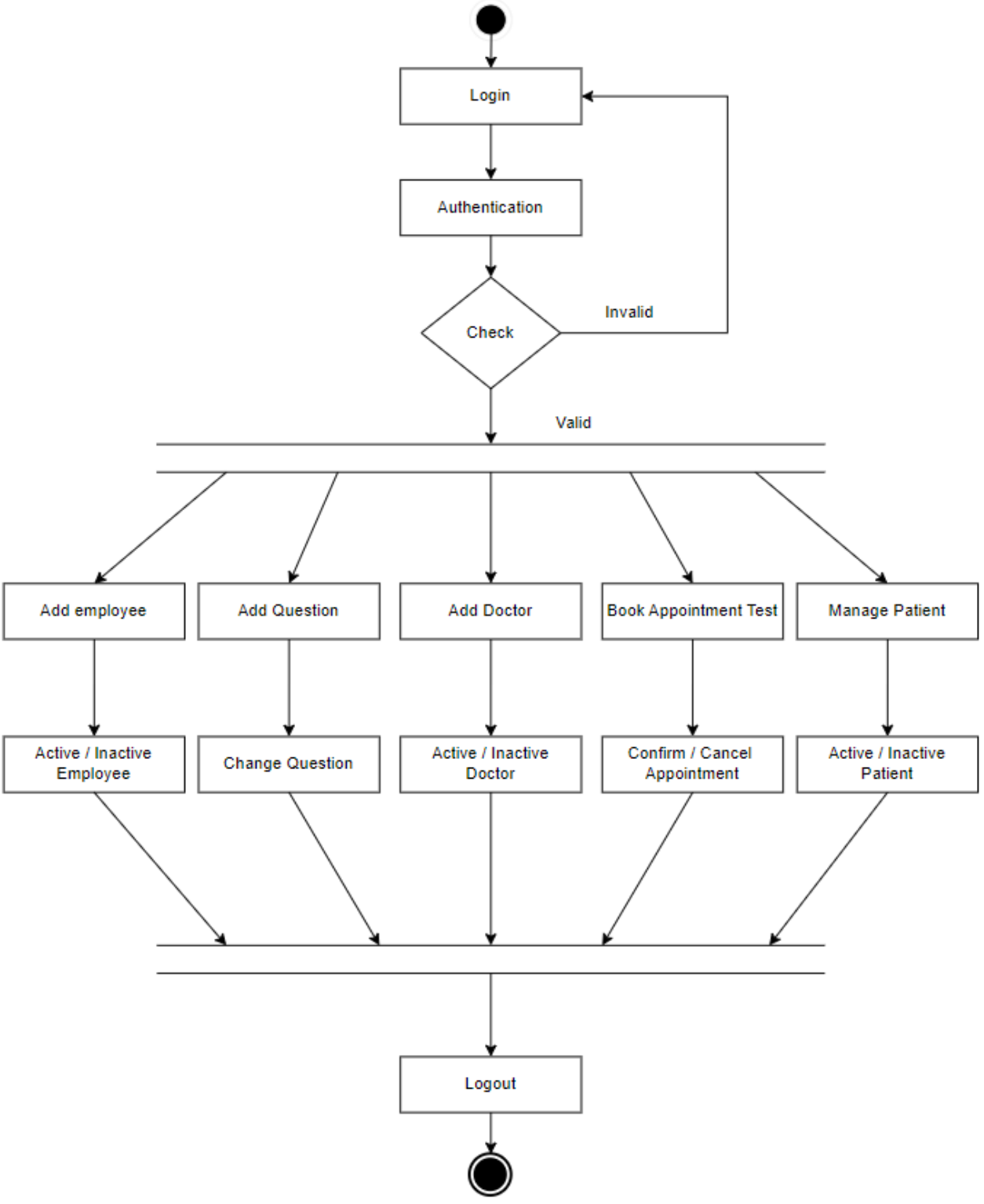


2. Activity Diagram :

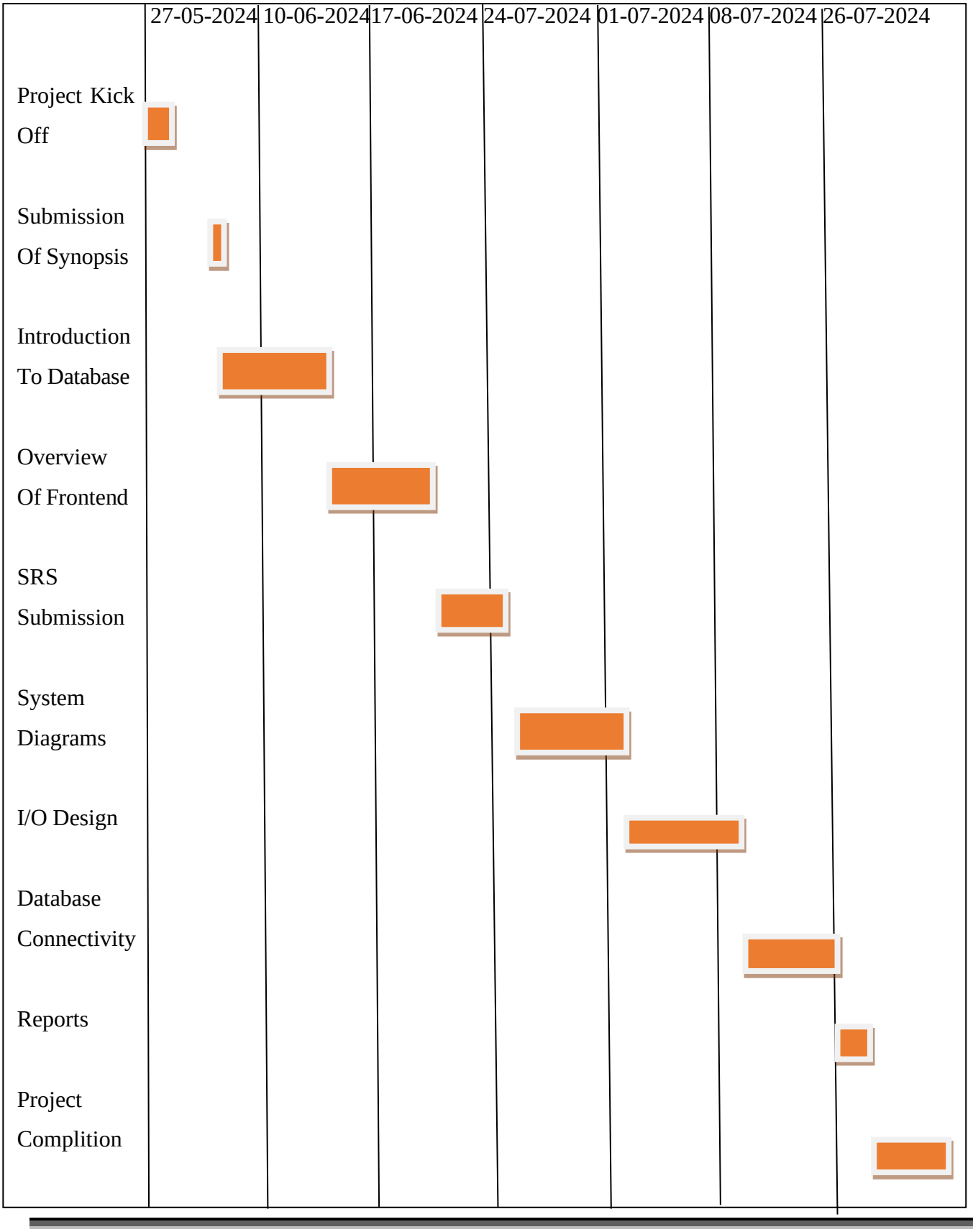
2.1 Activity Diagram (user) :



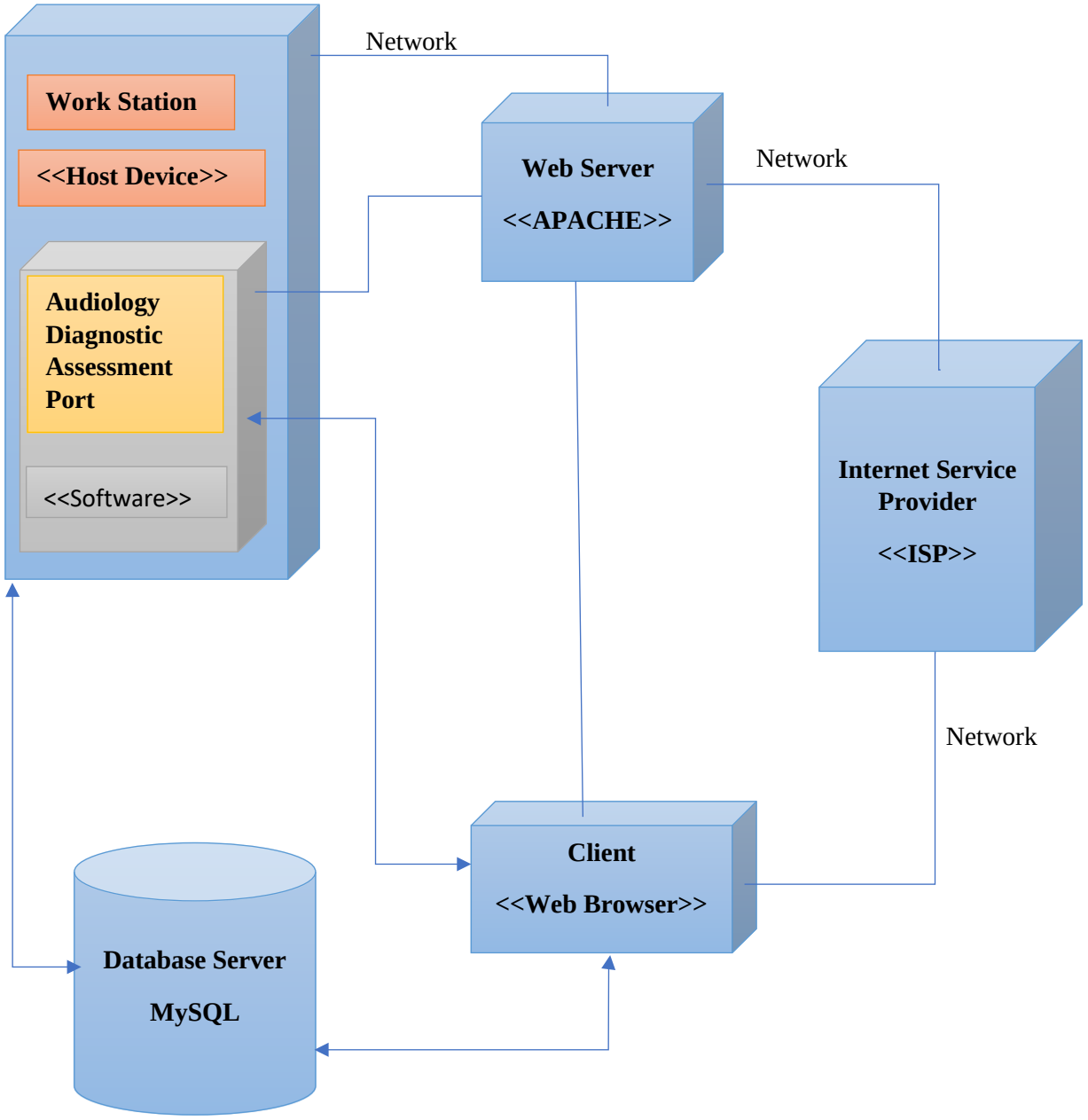
2.2 Activity Diagram (admin) :



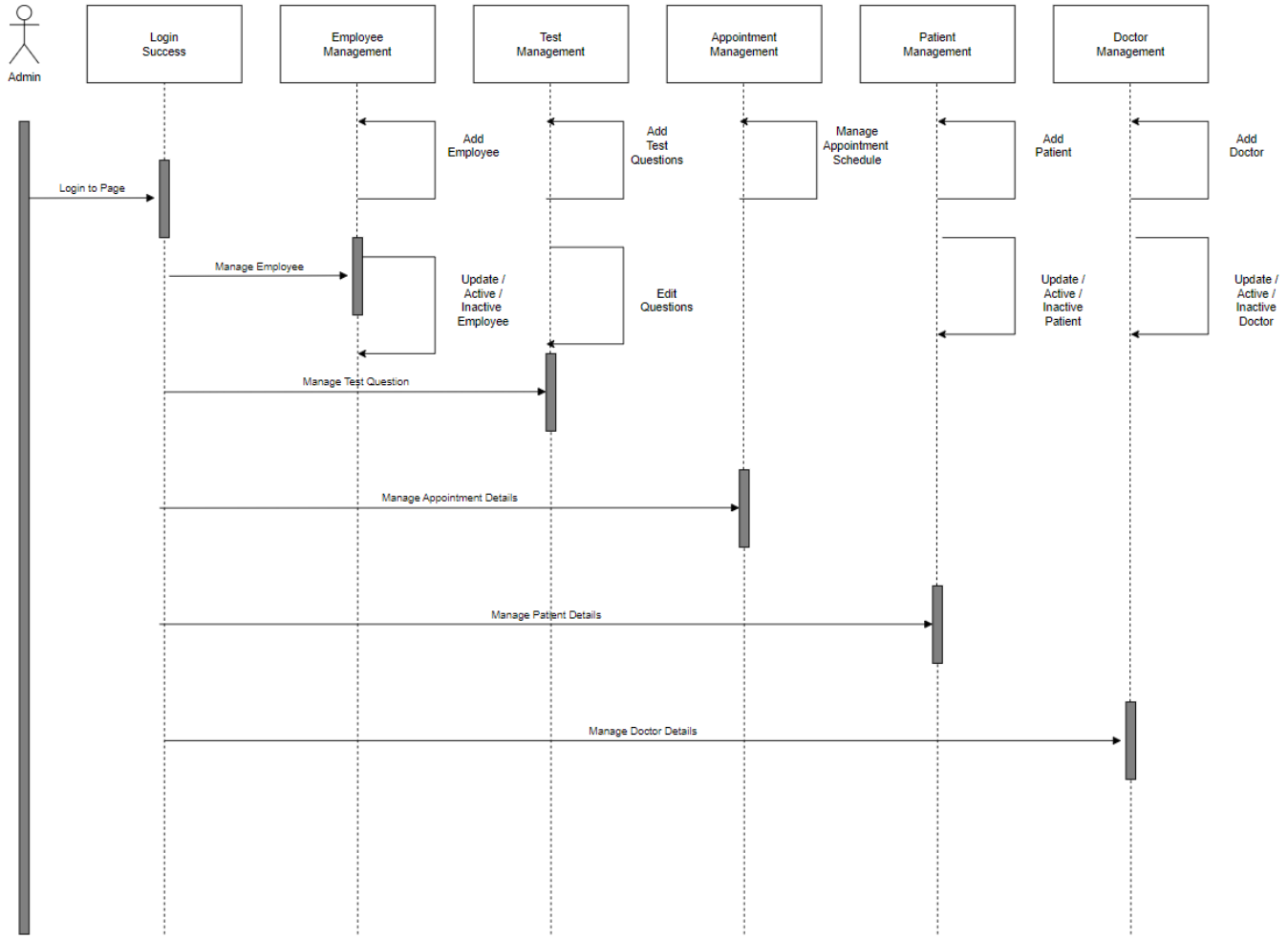
3. Gantt Chart :



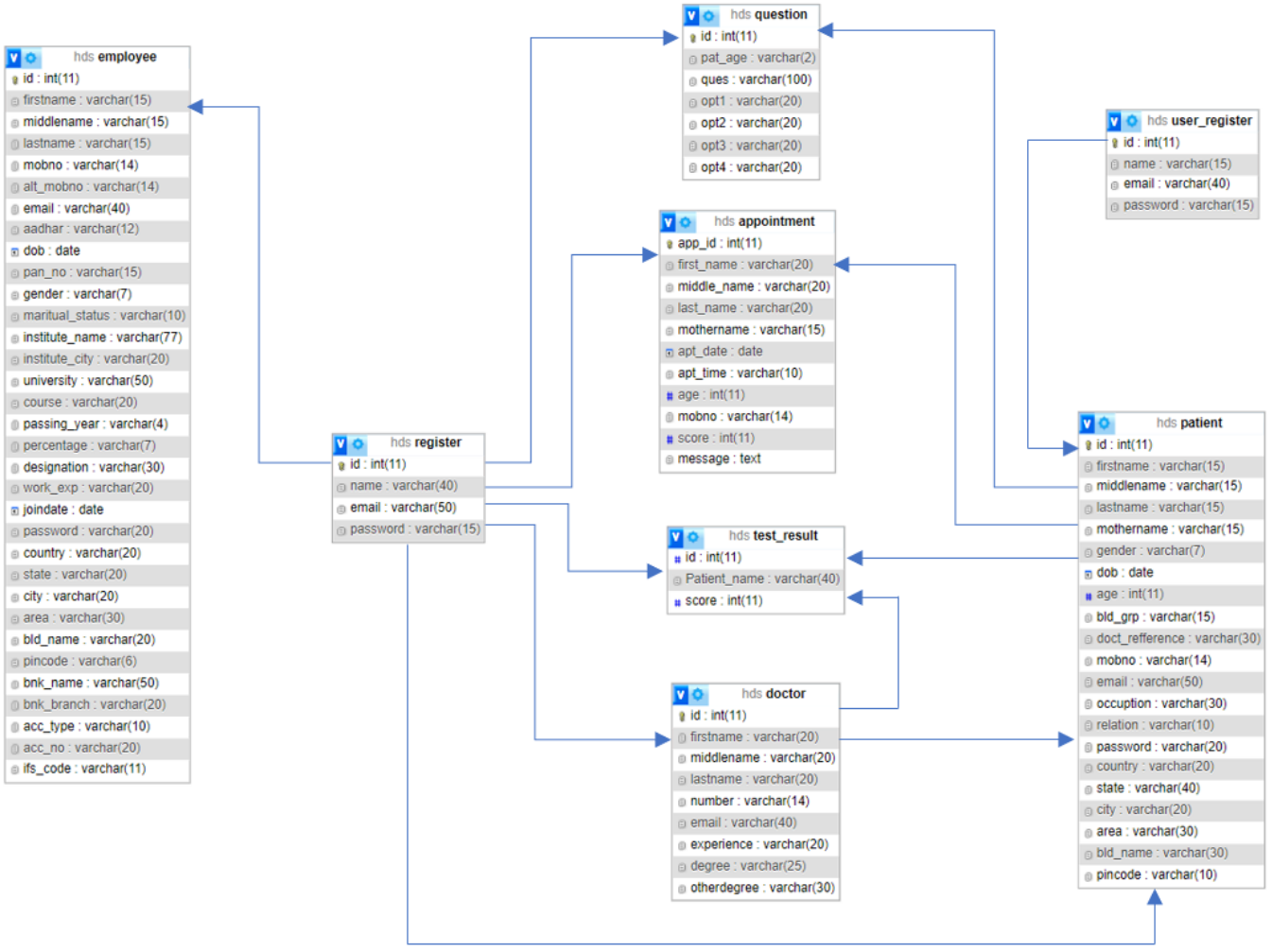
4. Deployment Diagram :



5. Sequence Diagram :



6. Class Diagram :



CHAPTER-4
SYSTEM DESIGN
FOR
PROJECT

4.1 Database Design :

1. Employee Table :

Name	Data Types	Size	Constraint
id	int	11	Primary Key
firstname	varchar	15	-
middlename	varchar	15	-
lastname	varchar	15	-
mobno	varchar	14	-
alt_no	varchar	14	-
email	varchar	40	-
aadhar	varchar	12	-
dob	date	-	-
pan_no	varchar	15	-
gender	varchar	7	-
maritual_status	varchar	10	-
institute_name	varchar	77	-
institute_city	varchar	20	-
university	varchar	50	-
course	varchar	20	-
passing_year	varchar	4	-
percentage	varchar	7	-
designation	varchar	30	-
work_exp	varchar	20	-
joindate	date	-	-
password	varchar	20	-
country	varchar	20	--
state	varchar	20	-

city	varchar	20	-
area	varchar	30	-
bld_name	varchar	20	-
pincode	varchar	6	-
bnk_name	varchar	50	-
bnk_branch	varchar	20	-
acc_type	varchar	10	-
acc_no	varchar	20	-
ifs_code	varchar	11	-

2. Appointment Table :

Name	Data Types	Size	Constraint
app_id	int	11	Primary key
first_name	varchar	20	-
middle_name	varchar	20	-
last_name	varchar	20	-
mothername	varchar	15	-
apt_date	date	-	-
apt_time	varchar	10	-
age	varchar	11	-
mobno	varchar	14	-
email	varchar	40	-
score	int	11	-
message	text	-	-

3. Patient Table :

Name	Data Types	Size	Constraint
id	int	11	Primary Key
firstname	varchar	15	-
middlename	varchar	15	-
lastname	varchar	15	-
mothername	varchar	15	-
gender	varchar	7	-
dob	date	-	-
age	int	11	-
bld_grp	varchar	15	-
doct_refference	varchar	30	-
mobno	varchar	14	-
email	varchar	50	-
occuption	varchar	30	-
relation	varchar	10	-
password	varchar	20	-
country	varchar	20	-
state	varchar	40	-
city	varchar	20	-
area	varchar	30	-
bld_name	varchar	30	-
pincode	varchar	10	-

4. User Registration Table :

Name	Data Types	Size	Constraint
id	int	11	Primary key
name	varchar	15	-
email	varchar	40	-
password	varchar	15	-

5. Admin Table :

Name	Data Types	Size	Constraint
id	int	11	Primary key
name	varchar	40	-
email	varchar	50	-
password	varchar	15	-

6. Question Table :

Name	Data Types	Size	Constraint
id	int	11	Primary key
pat_age	varchar	2	-
ques	varchar	100	-
opt1	varchar	20	-
opt2	varchar	20	-
opt3	varchar	20	-
opt4	varchar	20	-

7. Test Result Table :

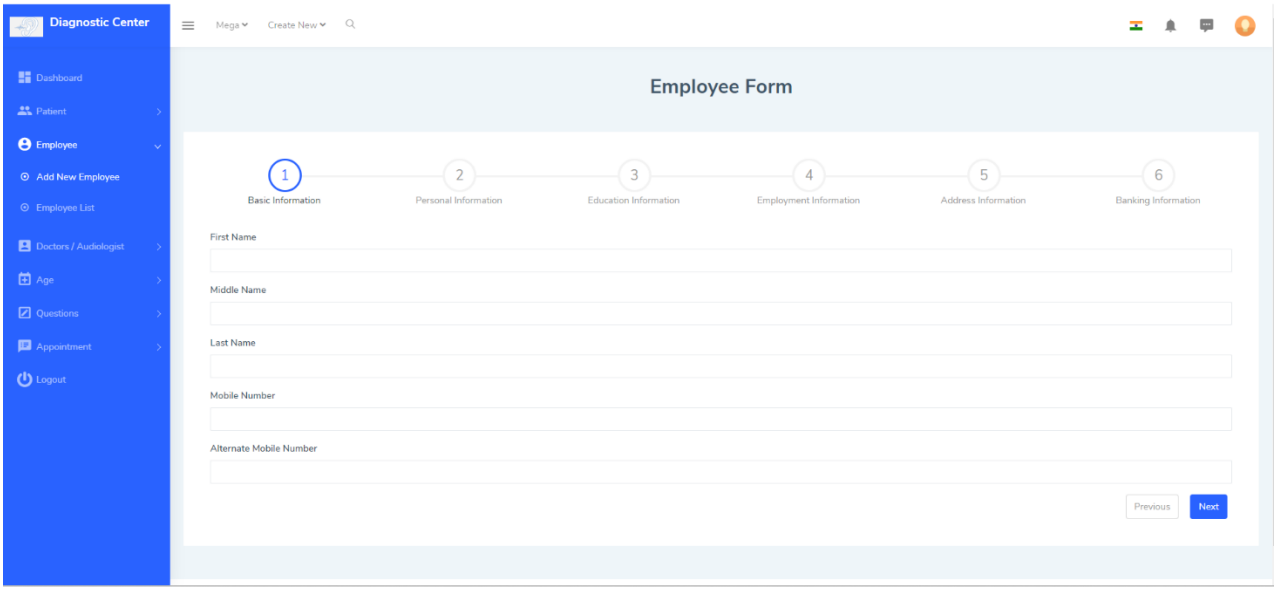
Name	Data Types	Size	Constraint
id	int	11	Primary key
Patient_name	varchar	40	-
score	int	11	-

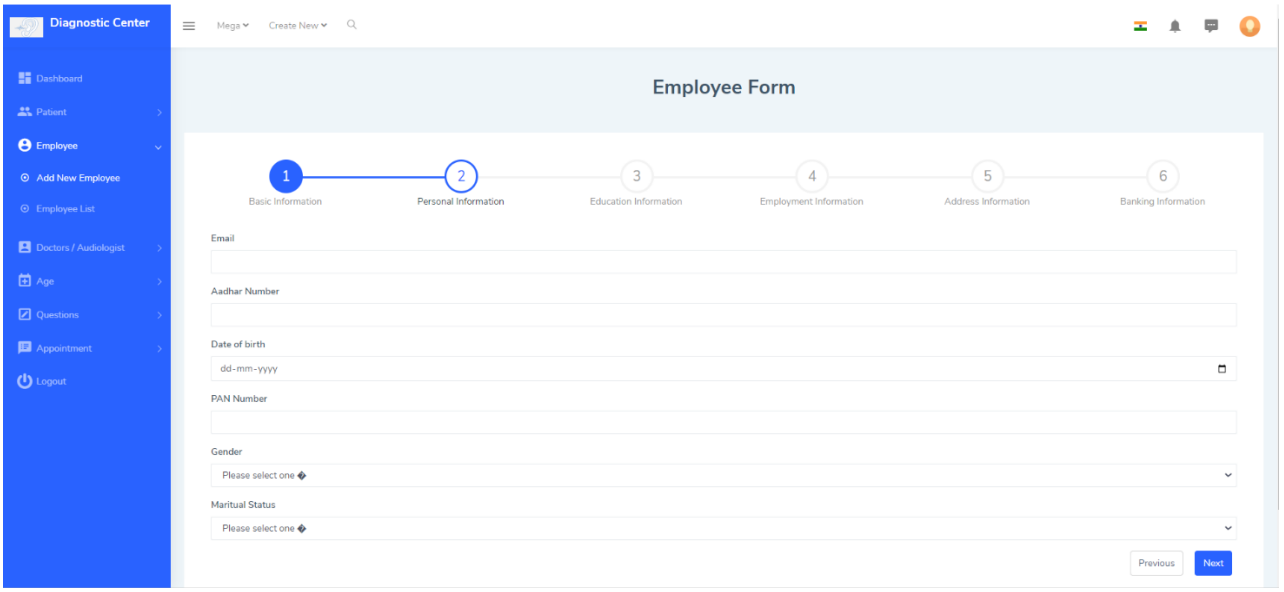
8. Doctor Table :

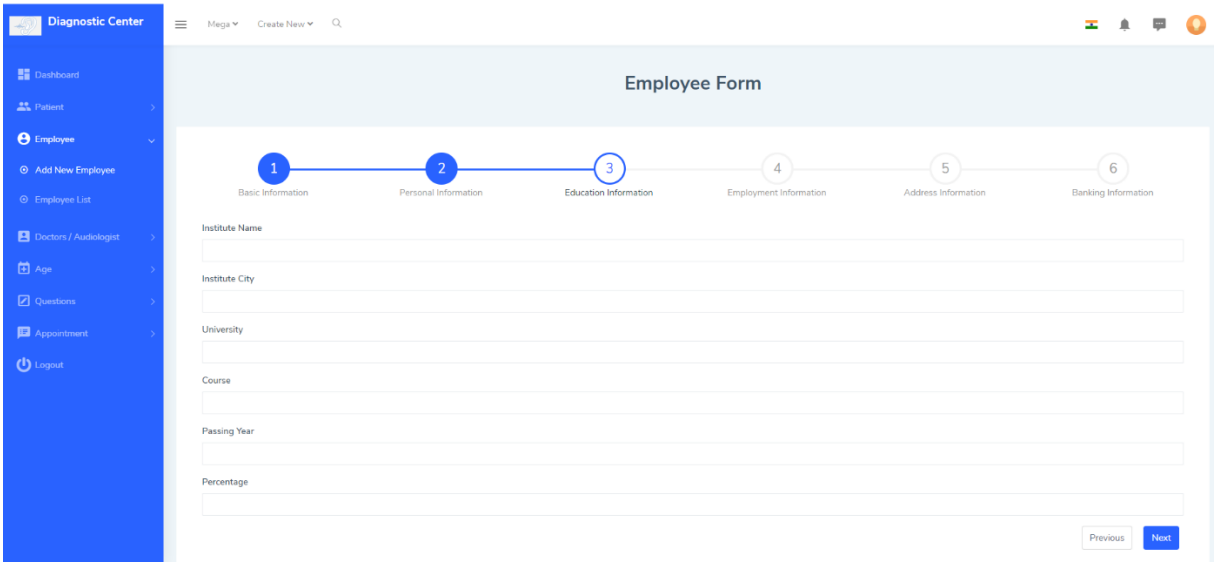
Name	Data Types	Size	Constraint
id	int	11	Primary key
firstname	varchar	20	-
middlename	varchar	20	-
lastname	varchar	20	-
number	varchar	14	-
email	varchar	40	-
experience	varchar	20	-
degree	varchar	25	-
otherdegree	varchar	30	-

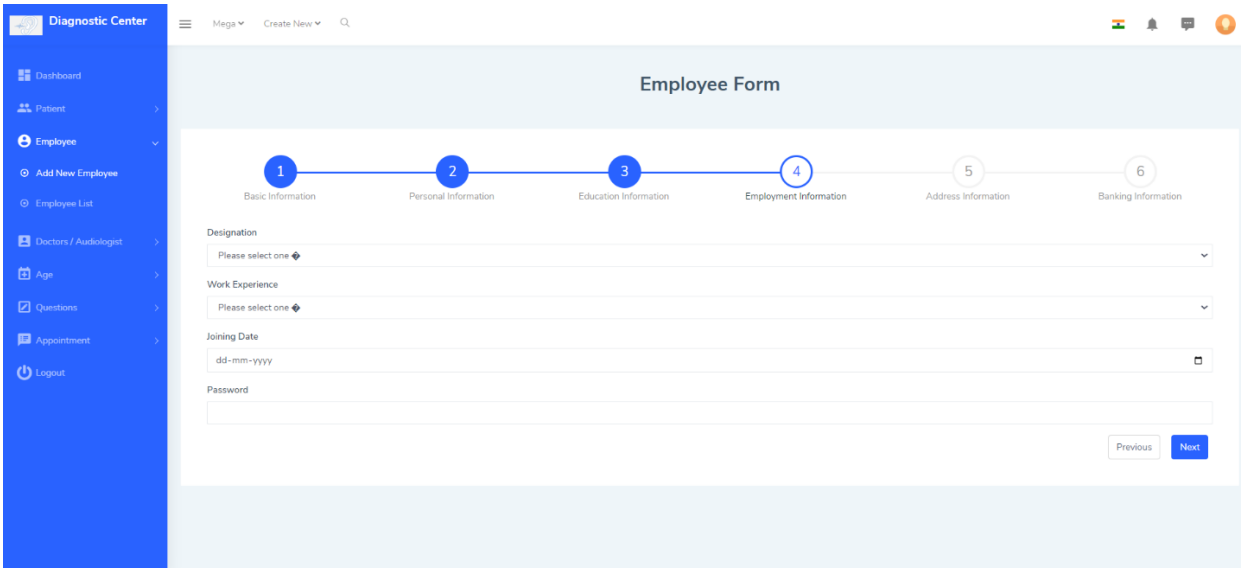
4.2 Input Design & its samples :

Employee Registraion :-






Diagnostic Center
Mega
Create New
Dashboard
Patient
Employee
Add New Employee
Employee List
Doctors / Audiologist
Age
Questions
Appointment
Logout
Employee Form
1
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Institute Name
Institute City
University
Course
Passing Year
Percentage
Previous
Next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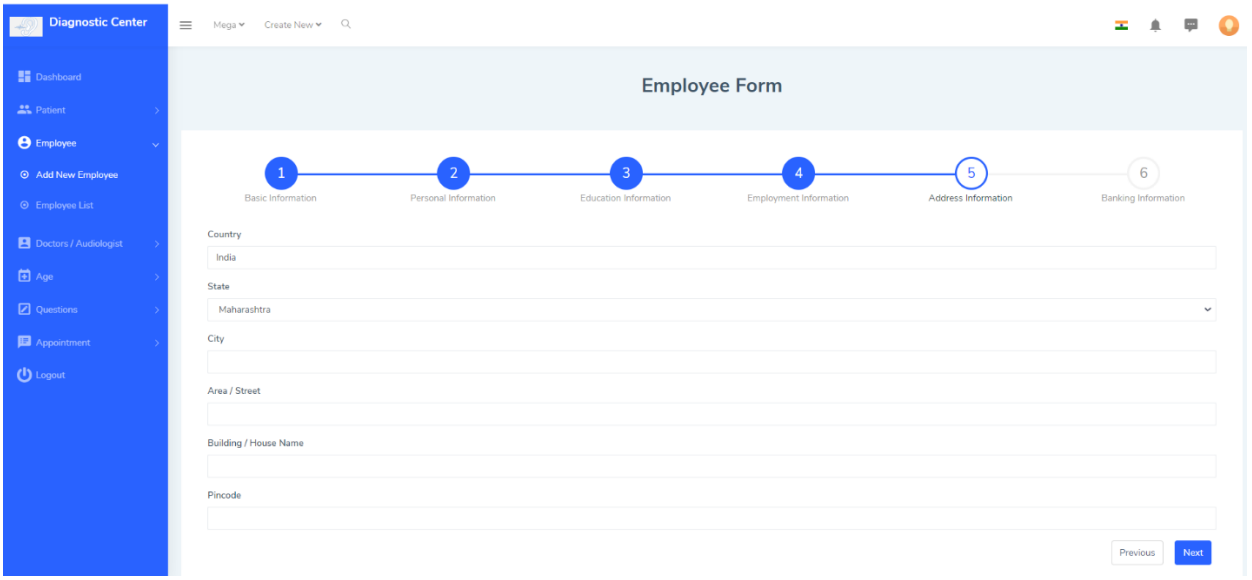
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Designation
Please select one
Work Experience
Please select one
Joining Date
dd-mm-yyyy
Password
Previous
Next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Personal Information
3
Education Information
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Employment Information
5
Address Information
6
Banking Information
Country
India
State
Maharashtra
City
Area / Street
Building / House Name
Pincode
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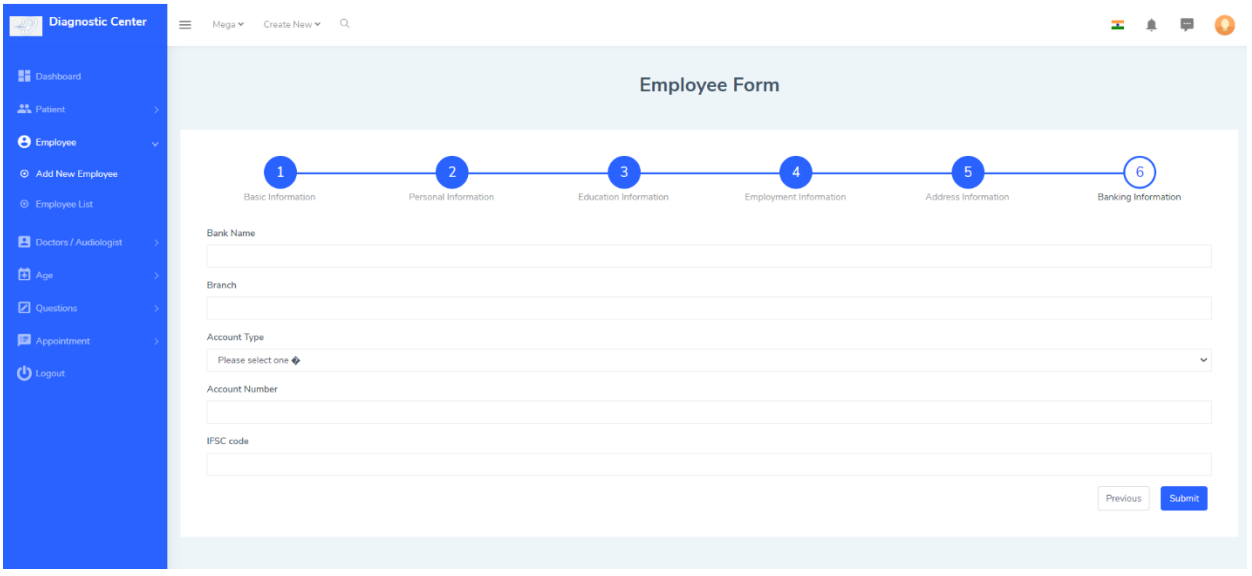
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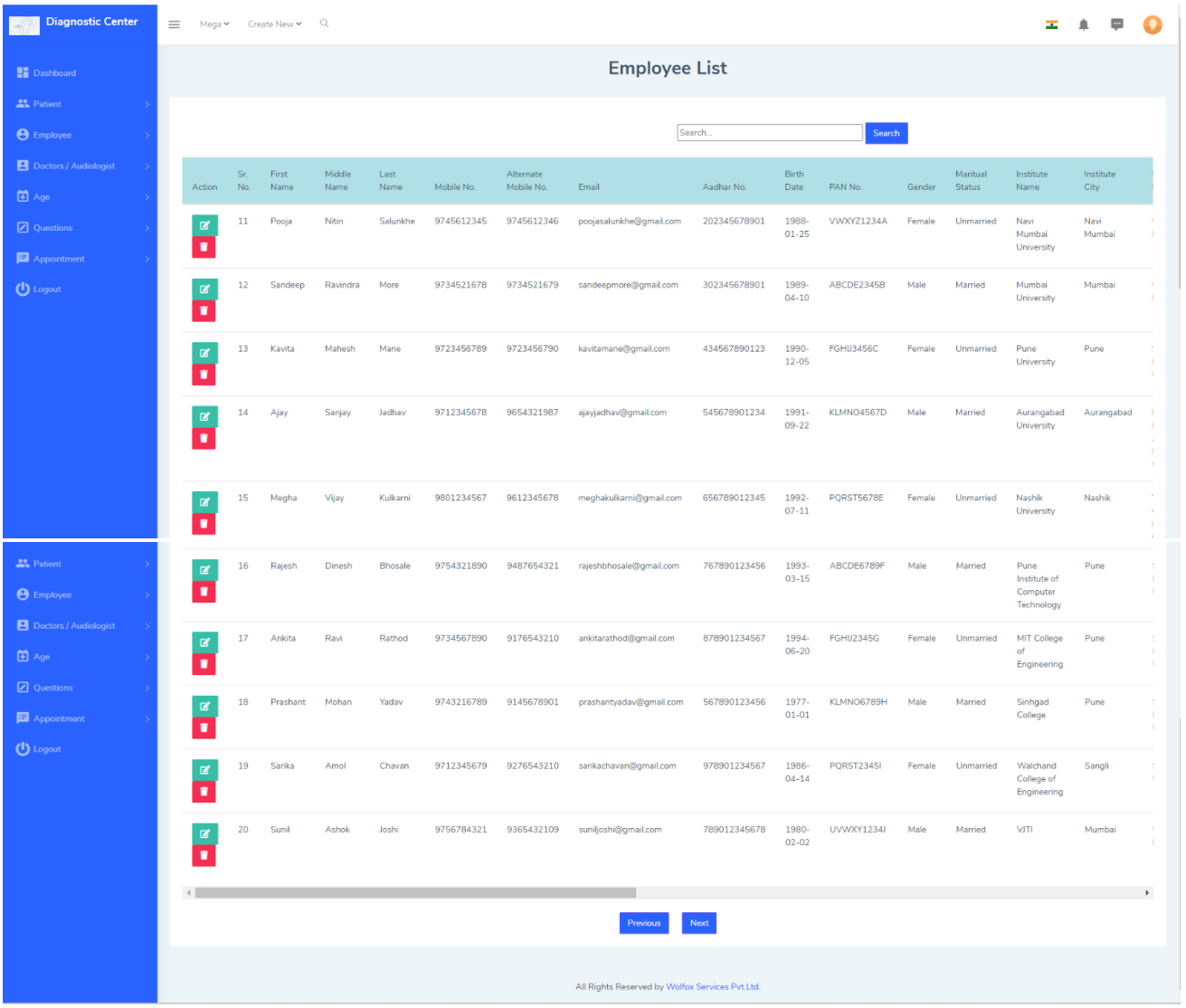
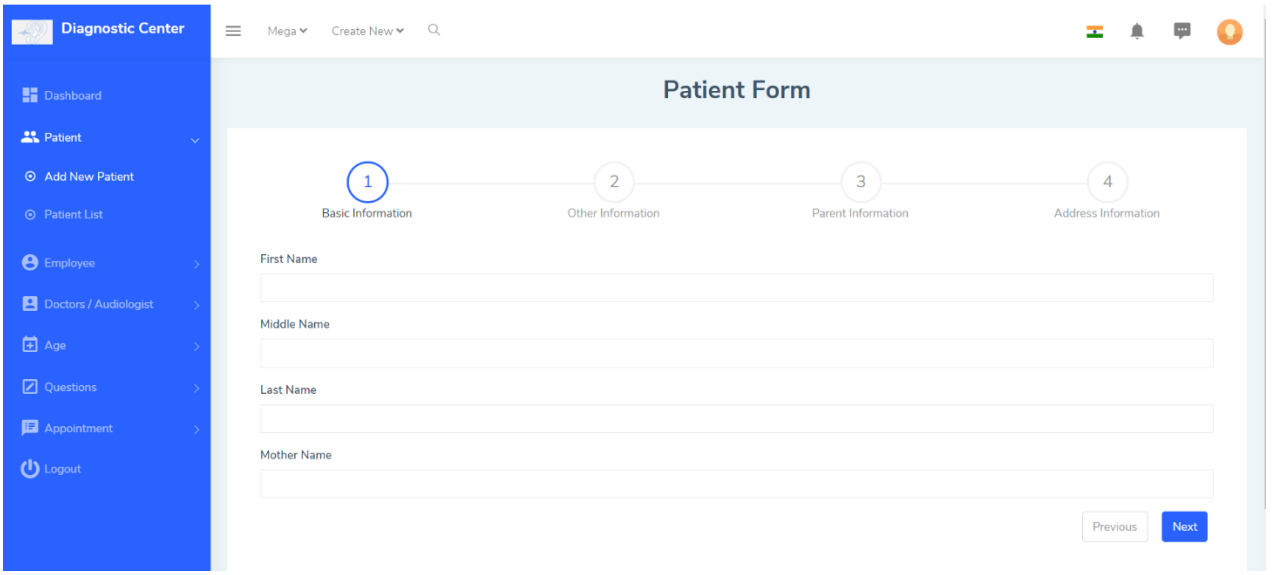
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Bank Name
Branch
Account Type
Please select one
Account Number
IFSC code
Previous
Submit

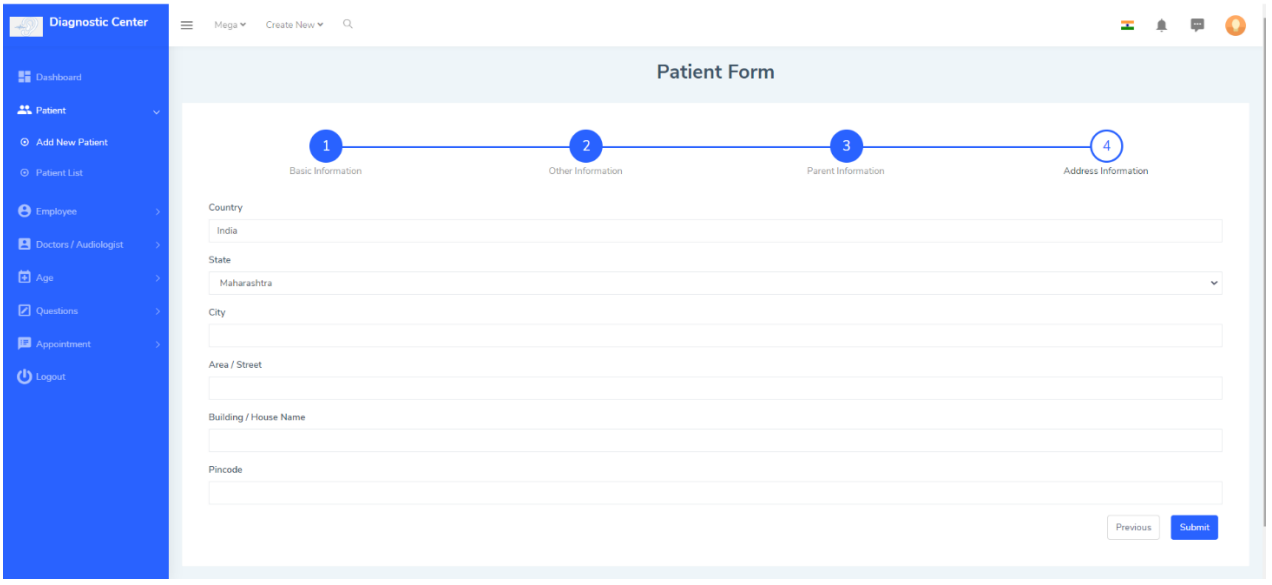
Employee List :-



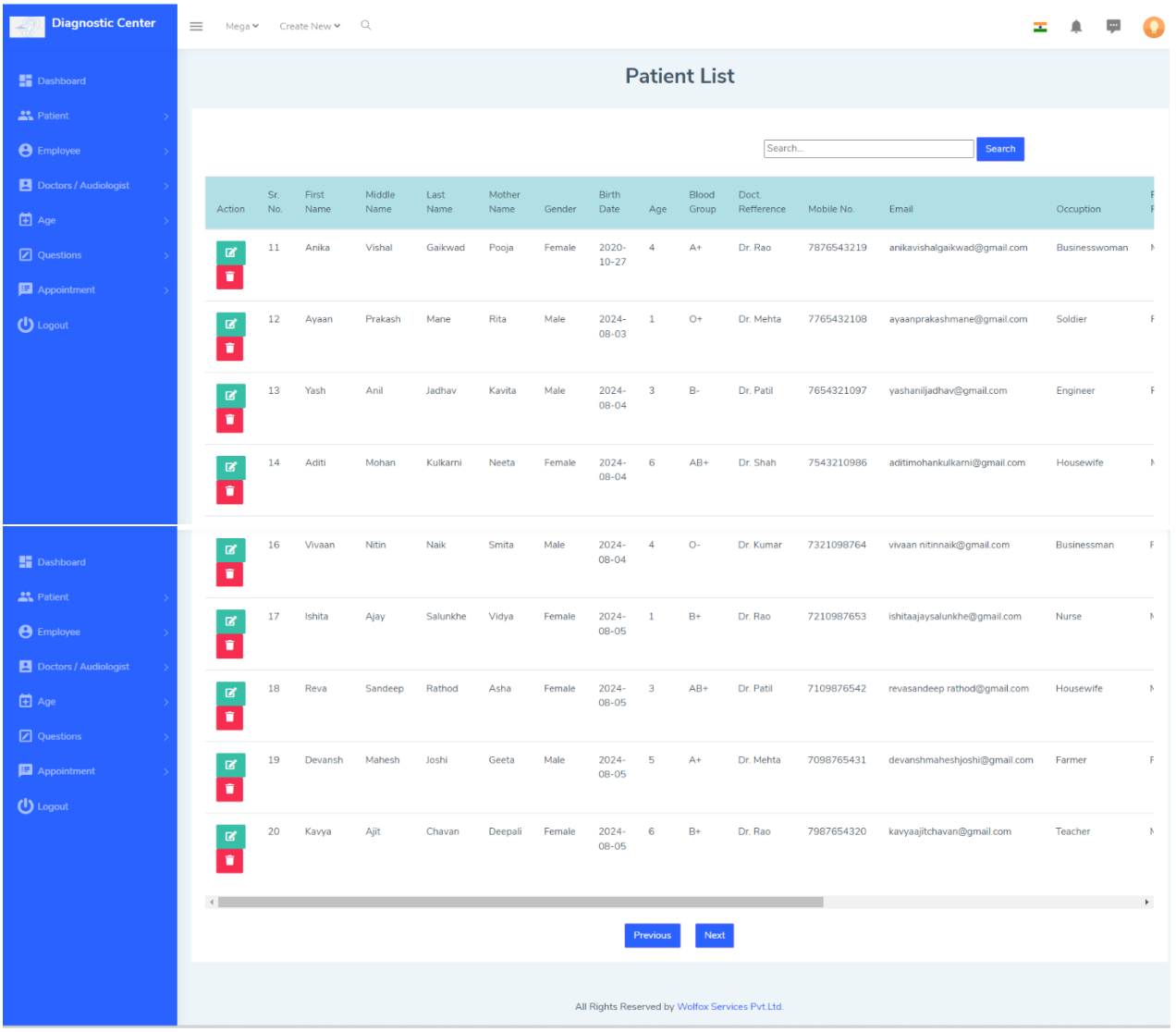
Patient Registraion :-




Diagnostic Center
Mega
Create New
Dashboard
Patient
Add New Patient
Patient List
Employee
Doctors / Audiologist
Age
Questions
Appointment
Logout
Patient Form
1
Basic Information
2
Other Information
3
Parent Information
4
Address Information
Mobile No.
Email
Occuption
Parent Relation
Password
Previous
Next

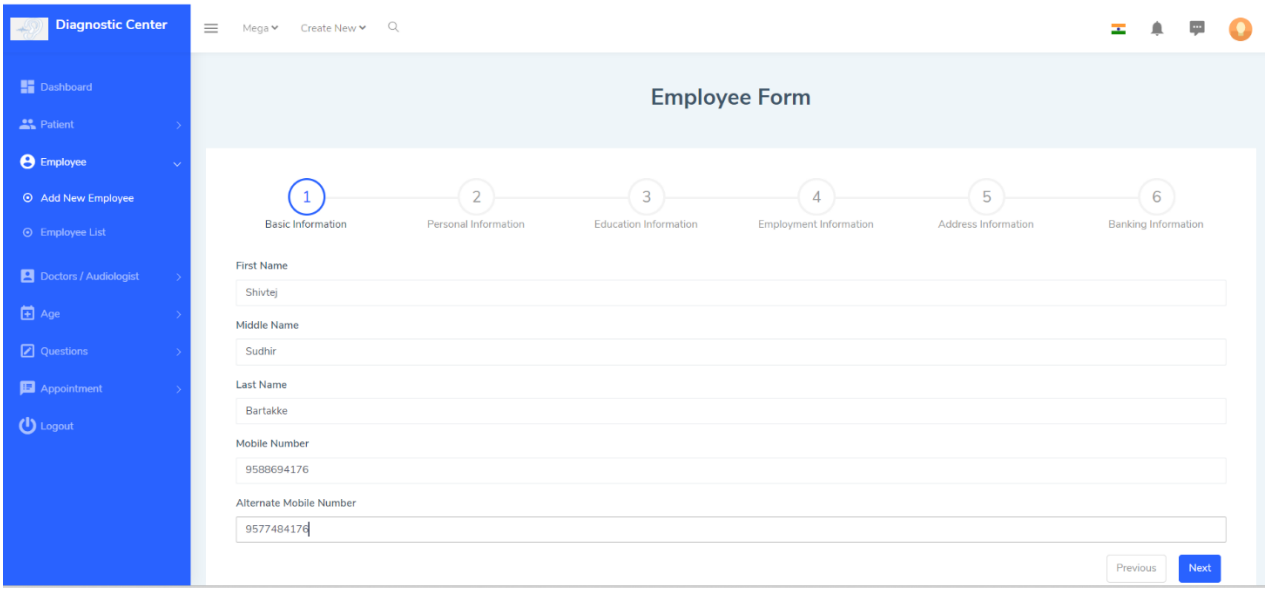

Diagnostic Center
Mega
Create New
Dashboard
Patient
Add New Patient
Patient List
Employee
Doctors / Audiologist
Age
Questions
Appointment
Logout
Patient Form
1
Basic Information
2
Other Information
3
Parent Information
4
Address Information
Country
India
State
Maharashtra
City
Area / Street
Building / House Name
Pincode
Previous
Submit

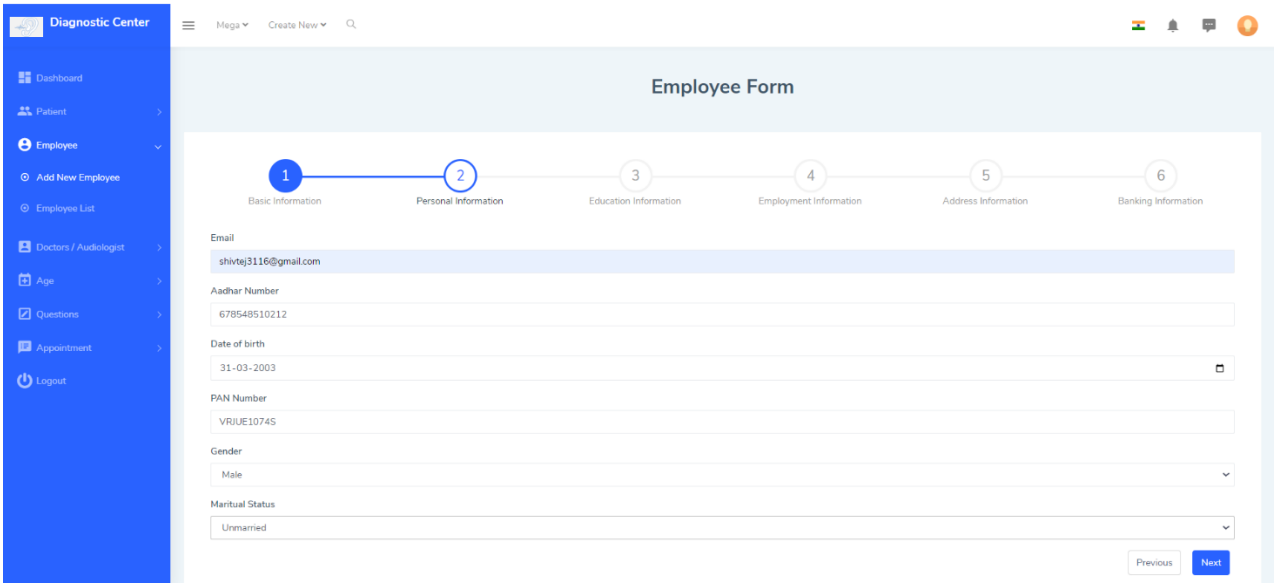
Patient List:-

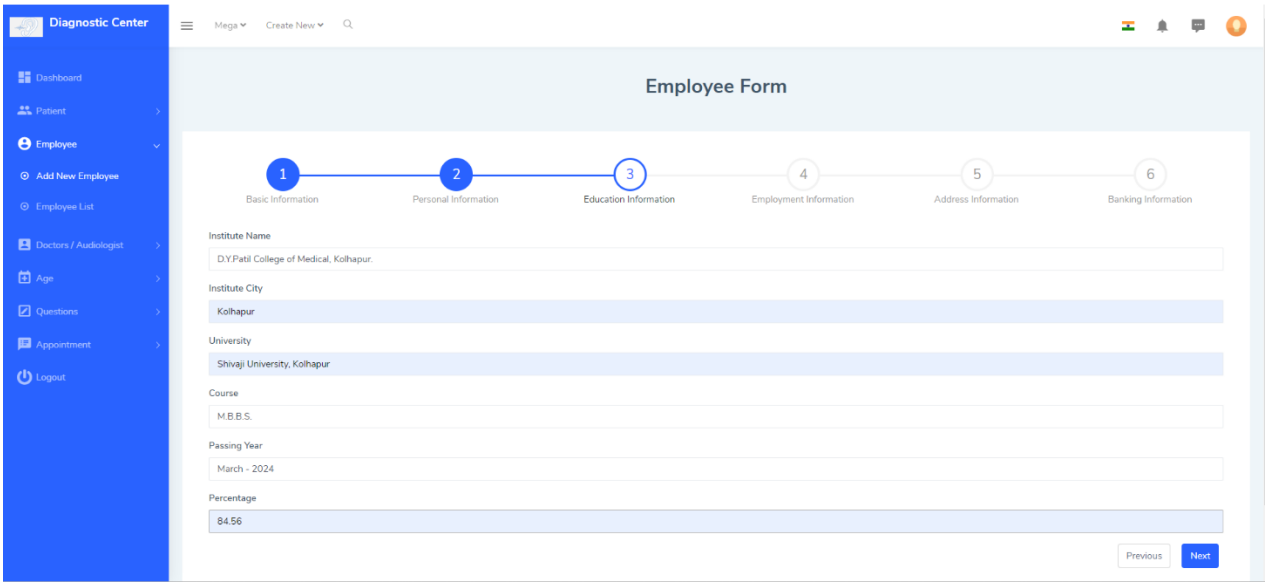


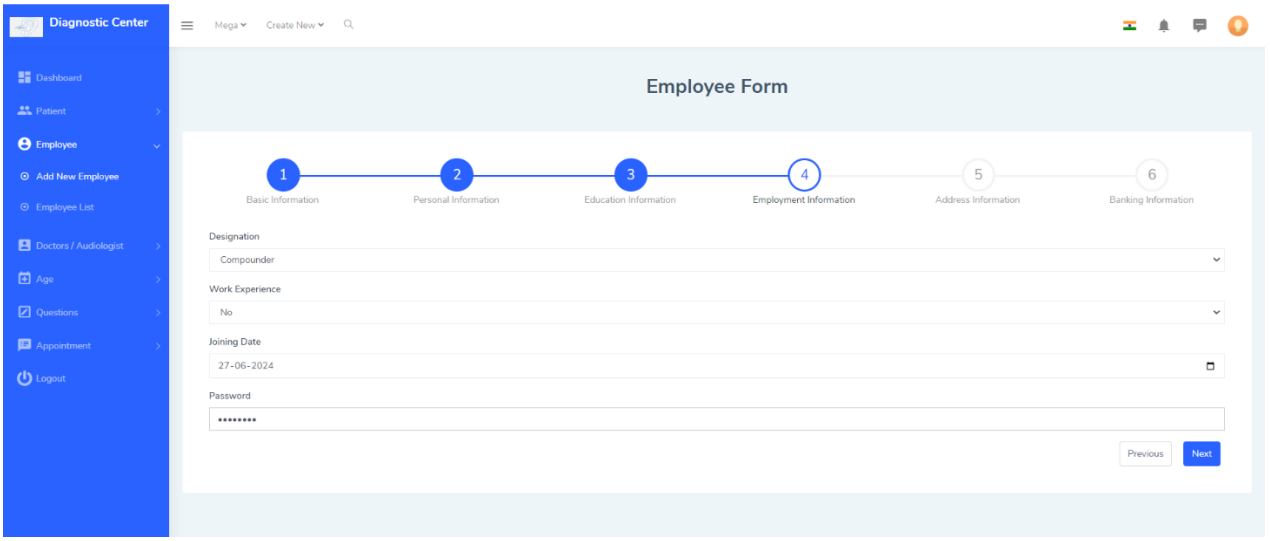
4.3 Output Design (on screen) :-

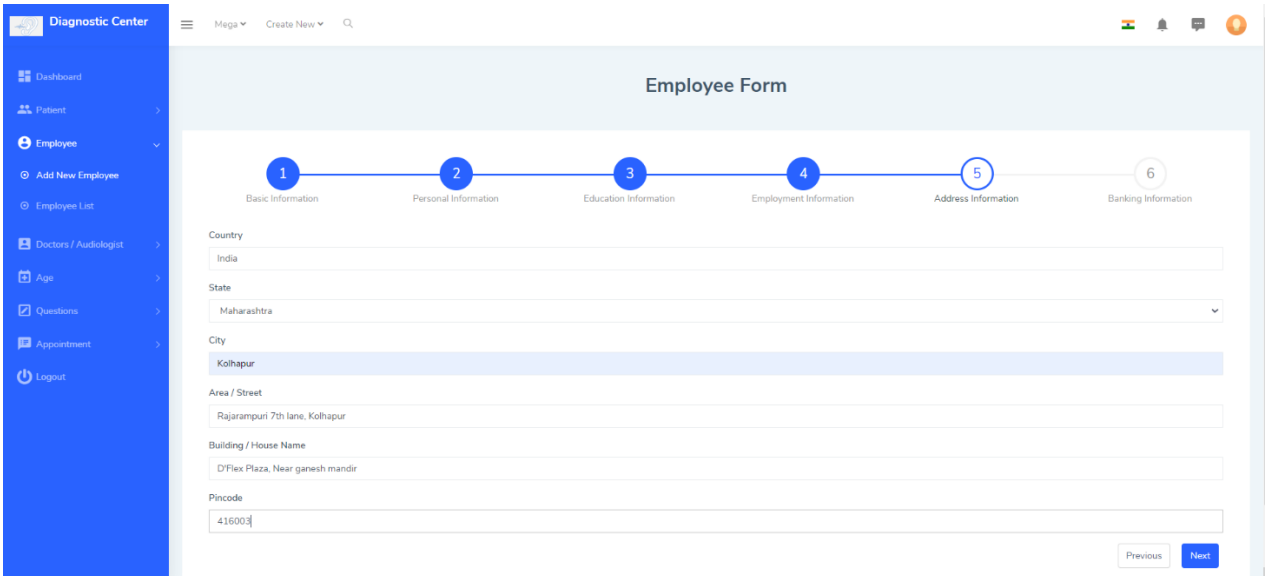
Employee Registraion :-





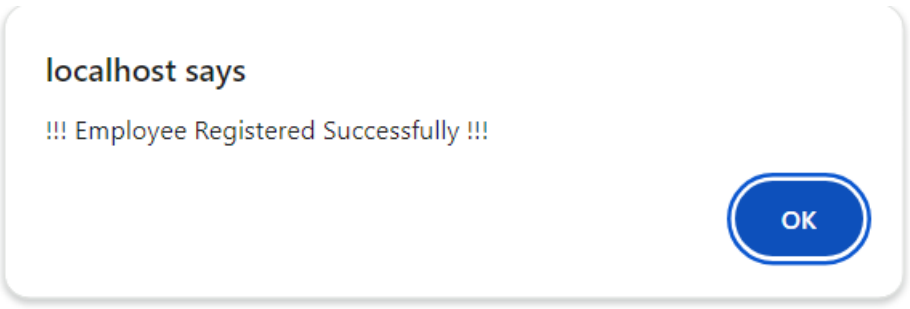

Diagnostic Center
Mega
Create New
Dashboard
Patient
Employee
Add New Employee
Employee List
Doctors / Audiologist
Age
Questions
Appointment
Logout
Employee Form
1
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Institute Name
D.Y.Patil College of Medical, Kolhapur.
Institute City
Kolhapur
University
Shivaji University, Kolhapur
Course
M.B.B.S.
Passing Year
March - 2024
Percentage
84.56
Previous
Next


Diagnostic Center
Mega
Create New
Dashboard
Patient
Employee
Add New Employee
Employee List
Doctors / Audiologist
Age
Questions
Appointment
Logout
Employee Form
1
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Designation
Compounder
Work Experience
No
Joining Date
27-06-2024
Password
Previous
Next

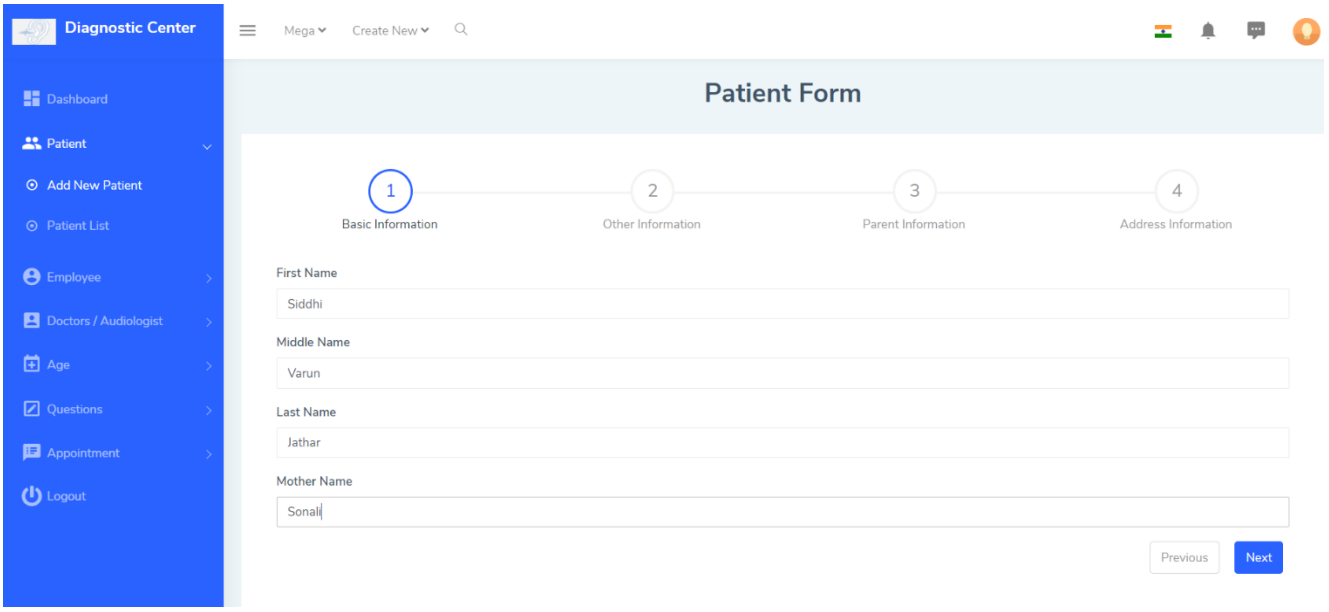

Diagnostic Center
Mega
Create New
Dashboard
Patient
Employee
Add New Employee
Employee List
Doctors / Audiologist
Age
Questions
Appointment
Logout
Employee Form
1
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Country
India
State
Maharashtra
City
Kolhapur
Area / Street
Rajarampuri 7th lane, Kolhapur
Building / House Name
D'Flex Plaza, Near ganesh mandir
Pincode
416003
Previous
Next


Diagnostic Center
Mega
Create New
Dashboard
Patient
Employee
Add New Employee
Employee List
Doctors / Audiologist
Age
Questions
Appointment
Logout
Employee Form
1
Basic Information
2
Personal Information
3
Education Information
4
Employment Information
5
Address Information
6
Banking Information
Bank Name
Bank of baroda
Branch
Kolhapur
Account Type
Saving
Account Number
091116974284527
IFSC code
NIHD4437205
Previous
Submit

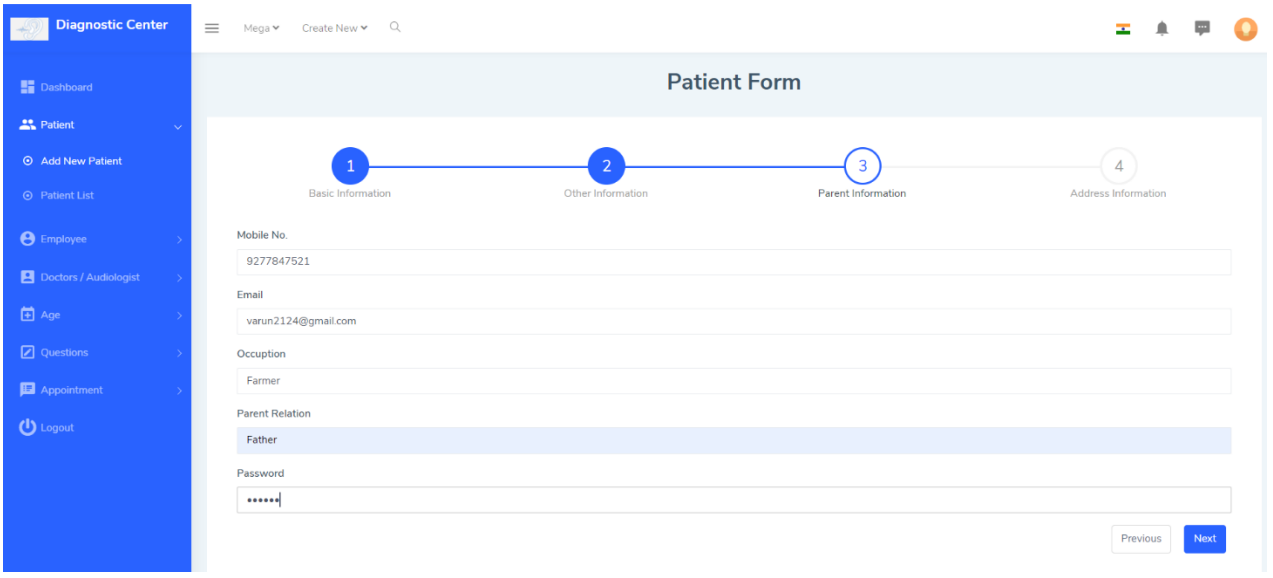
Employee Registraion Successful :-

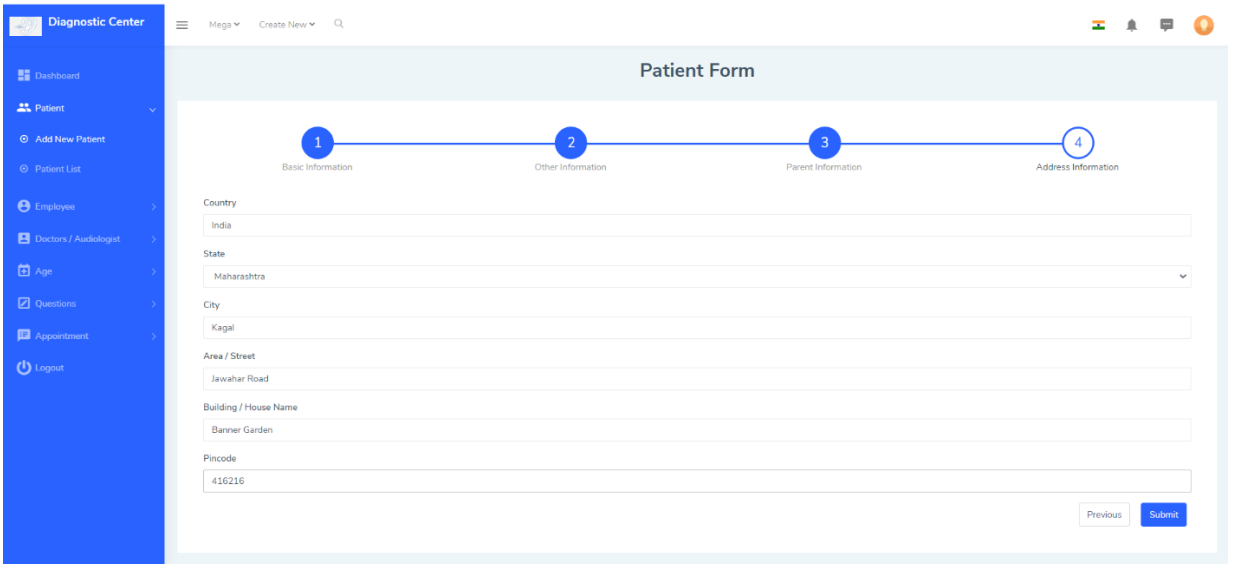


Patient Registraion :-

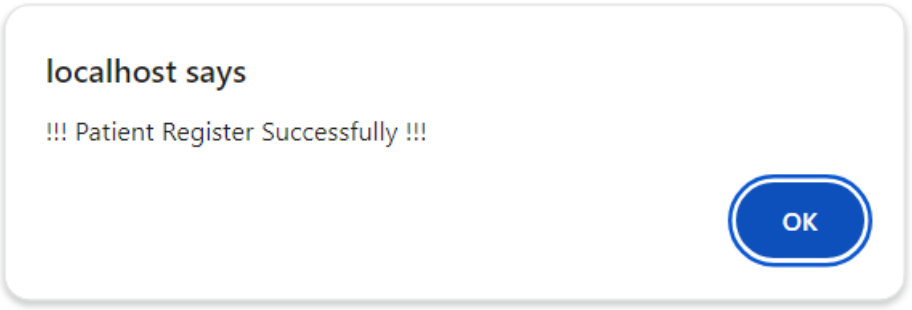



Diagnostic Center
Mega
Create New
Dashboard
Patient
Add New Patient
Patient List
Employee
Doctors / Audiologist
Age
Questions
Appointment
Logout
Patient Form
1
Basic Information
2
Other Information
3
Parent Information
4
Address Information
Gender
Female
Date of birth
28-02-2021
Age
3
Blood Group
B Positive
Doctor Refference
Dr. Kalyankar
Previous
Next


Diagnostic Center
Mega
Create New
Dashboard
Patient
Add New Patient
Patient List
Employee
Doctors / Audiologist
Age
Questions
Appointment
Logout
Patient Form
1
Basic Information
2
Other Information
3
Parent Information
4
Address Information
Mobile No.
9277847521
Email
varun2124@gmail.com
Occuption
Farmer
Parent Relation
Father
Password
Previous
Next



Patient Registraion Successful :-



CHAPTER-5
IMPLIMENTATION
OF
PROJECT

5.1 System Requirement :

Operating Environment – Hardware and Software

For this project various technologies are used as follows:

Operating System

- Windows 10
- 64 -bit operating system
- 8 GB RAM or More

Client-Side Scripting

- HTML
- CSS
- JavaScript
- Bootstrap

Server-Side Scripting

- PYTHON

Database Tool

- MySQL

Web Server

- Apache

5.2 Installation Process :

The technology selected for implementing Personal Information Management System in PYTHON/MYSQL apache is used as the HTTP server. The development was done in a 'windows' environment using adobe from weaver CSS.

5.2.1 PYTHON :

Python is a general-purpose programming language that is particularly well-suited for a wide range of development tasks, including web development, data analysis, automation, and more. Python code is typically interpreted by the Python runtime, which allows it to be used on a variety of platforms and operating systems.

Python can be embedded in various applications, and its code is often integrated with other languages or systems to create dynamic and complex software solutions. It is commonly used in server-side development for web applications, command-line scripting, and developing client-side GUI applications.

Python is highly versatile and can be deployed across numerous environments, including web servers, desktop applications, and cloud services. It is compatible with various relational database management systems (RDBMS), such as MySQL, PostgreSQL, and SQLite.

Python is freely available, and the Python Software Foundation provides the complete source code, enabling users to build, customize, and extend the language to meet their specific needs.

5.2.2 Apache :

The Apache HTTP Server is a web server software notable for playing a key role in the initial growth of the World Wide Web In 2009 it became the first web server software to surpass the 100 million web site milestone Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use As of November 2010 Apache served over 59 36% of all websitesand over 66 56% of the first one million busiest websites

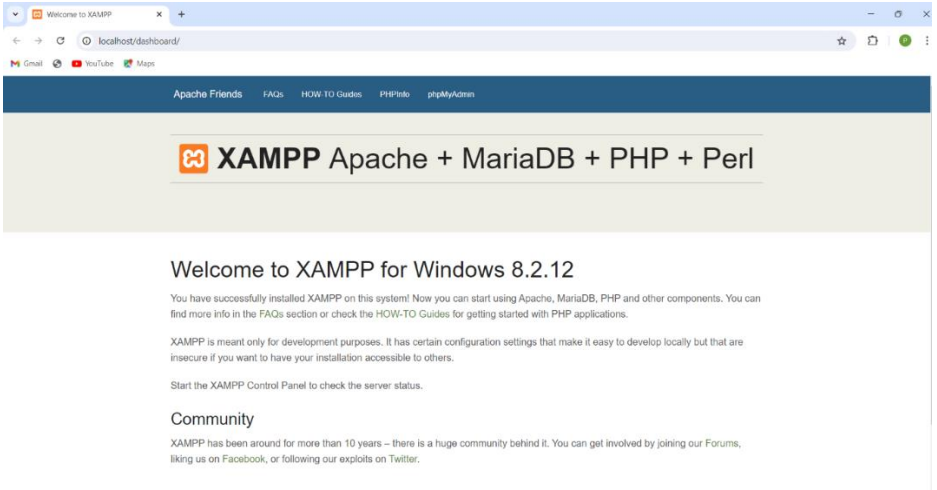
5.2.3 XAMPP :

XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package Its contents, small size, and portability make it the ideal toolfor students developing and testing applications in PHP and MySQL XAMPP is available as a free download in two specific packages full and Me While the full package download provides a wide array of development tools XAMPP Lite contains the necessary technologies that meet the Ontary Skills Competition standards. The light version is a small package containing Apache Http Server, PHP, MySQL, phpMyAdmin, OpenssL and SQLite.

5.2.4 Obtaining and Installing XAMPP :

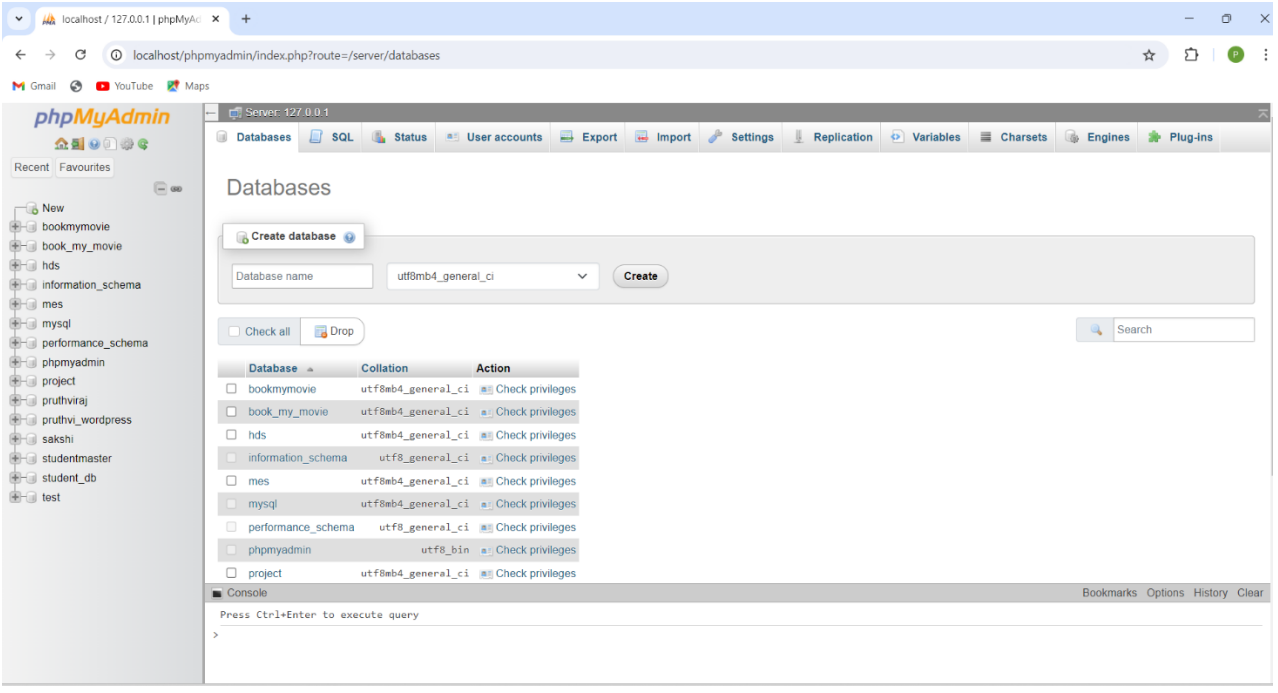
As previously mentioned. XAMPP is a free package available for download and use for various web development tasks All XAMPP packages and add-ons are distributed through the Apache Friends website at the address http://www.apache friends.org/ Once on the website, navigate and find the Windows version of XAMPP and download the self- extracting ZIP archive After downloading the archive, run and extract is contents into the root path of a hard disk or USB drive For example, the extract path for a local Windows installation would simply be C If extracted properly we will notice a new xamppdirectory in the root of your installation disk In order to test that everything has been installed correctly. first start the Apache HTTP Server by navigating to the xampp directory and clicking on the apache start.bat batch file.

Next we will test if the server is running correctly by opening an internet browser andtyping http://localhost/dashboard/ the address bar If configured correctly, we will be presented with a screen similar to that of the one below.



In order to stop all Apache processes we do not close the running terminal application,but instead run another batch file in the xampp lite directory called apache_stop.bat

Creating a Database and Inserting Data Now that we have run and tested Apache and PHP, the next step is running MySQL and creating a database and table which will hold information to be used by our website. In order to start MySQL, navigate to the xampp directory and run the mysql start.bat batch file. The XAMPP package contains an application called phpMyAdmin which allows developers to administer and maintain MySQL databases. We will be using phpMyAdmin to create a database and table,and enter test data. Before testing phpMyAdmin, make sure that both Apache and MySQL are running by opening their respective batch files apache_start.bat and mysql start.bat Aking with Apache and MySQL running in the background, we type http://localhost/phpMyAdmin/ into our web browser. If successful we will be presented with a phpMyAdmin start page similar to the one shown below.



The first step with phpMyAdmin running is creating a new database We create a new database by directly executing SQL statements as shown below. The successful execution of the sql query creates a database ‘hds’ with tables in it.

5.3 User Guideline :

The "Audiologists Diagnostic Assessment Port" is designed to be user-friendly and intuitive for both caregivers and healthcare professionals. Below are the guidelines for using the system, organized to ensure that all users can make the most of its features:

1. Login and Registration :

Caregivers and Patient : Caregivers must first create an account or log in using their registered email and password. Upon logging in, they can access their child's dashboard, where they can view upcoming appointments, diagnostic history, and take assessments.

Admin (Audiologists and Staff) : Admin users should log in via the admin port. Here, they can manage patient records, employee details, doctor information, and add or edit questions for the online assessments.

2. Dashboard Navigation :

Caregivers : After logging in, the dashboard provides a quick overview of scheduled appointments, pending assessments, and past diagnostic results. Use the navigation menu to easily access specific sections like "Appointments" or "Start Assessment."

Admin Users : Admin users can navigate through different master pages (e.g., Patient Master, Employee Master) using the main dashboard. Each section allows for easy management of data via tables, forms, and search options.

3. Managing Data :

Adding/Updating Records : Admin users should use the appropriate master pages (e.g., Patient Master, Employee Master) to input or update information. Forms are provided for entering details such as patient information, employee roles, and doctor specialties. Be sure to fill in all required fields before submitting the form.

Viewing Records : DataTables are provided for displaying all records. Use the built-in search, sort, and filter functions to quickly find the information you need.

4. Scheduling Appointments :

Caregivers : To schedule an appointment, navigate to the "Appointments" section and select an available time slot. Fill in the required information and confirm the appointment. You will receive a confirmation message and can view the scheduled appointment in your dashboard.

Admin Users : Admins can view and manage all scheduled appointments in the system, ensuring that each appointment is assigned to the appropriate doctor and time slot.

5. Taking Diagnostic Assessments :

Caregivers : The online diagnostic assessment can be accessed from the dashboard. Follow the instructions to answer each question, and submit the test once completed. The system will process the results, which will be stored for future reference by audiologists.

Admin Users : Admins can manage the assessment questions via the Question Master. Ensure that each question is properly formatted and includes all necessary options before making it available for patient assessments.

6. Viewing and Downloading Reports :

Caregivers : After completing an assessment, the diagnostic results will be available for review on the dashboard. You can also download or print the report for personal records or share it with healthcare professionals.

Admin Users : Admins can generate reports based on patient data and assessment results. These reports are accessible from the admin dashboard and can be shared with patients or other healthcare providers as needed.

7. Security and Password Management :

Password Recovery : In case you forget your password, use the "Forgot Password" feature on the login page. You will be prompted to enter your registered email, and instructions for resetting your password will be sent to you.

Data Security : The system is designed with security in mind. Always ensure that you log out after each session, especially when using a shared computer, to protect your personal and patient data.

By following these guidelines, users will be able to navigate and utilize the Audiologists Diagnostic Assessment Port effectively, ensuring smooth operations and optimal care for young patients.

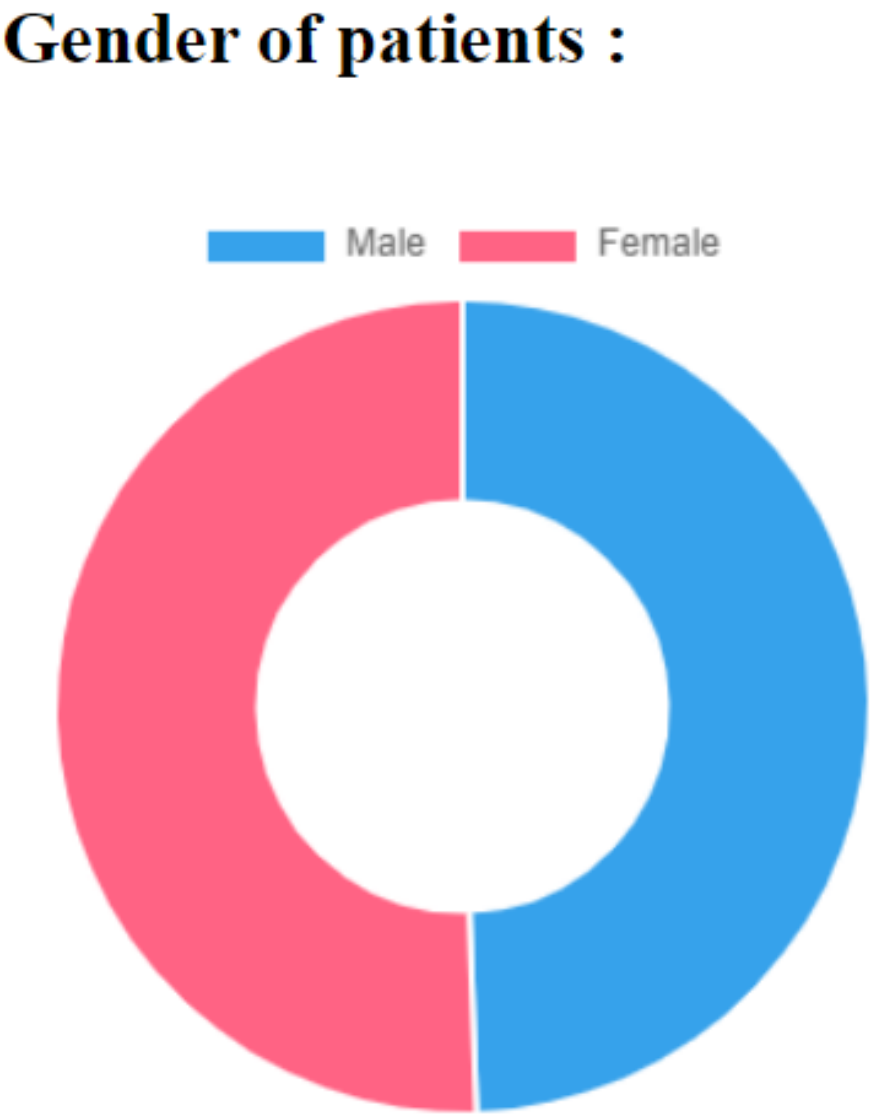
CHAPTER-6

REPORTS

OF

PROJECT

6.1 Gender-wise Patient Report :



Male : 47 (49.47%)

Female : 48 (50.53%)

6.2 Age-wise Patient Report :

Age-wise Distribution of Patients :

6.3 Employee Report :

Employee Details Report

Sr. No.	First Name	Middle Name	Last Name	Mobile No.	Email	Address
1	Arun	Vikas	Patil	9876543210	arunpatil@gmail.com	Mumbai
2	Sakshi	Shashikant	Gaikwad	9578015627	sakshigaikwad@gmail.com	Kolhapur
3	Pruthvi	Vitthal	Lokare	9513780127	pruthvilokare@gmail.com	Nagpur
4	Amit	Ramesh	Kulkarni	9723456789	amitkulkarni@gmail.com	Aurangabad
5	Priya	Anil	Sutar	8998765432	priyasutar@gmail.com	Nashik
6	Rohit	Sunil	Shinde	9834567890	rohitshinde@gmail.com	Pune
7	Anjali	Prakash	Katkar	9185678901	anjalikatkar@gmail.com	Solapur
8	Manoj	Ravi	Suryawanshi	9887654321	manojsuryawanshi@gmail.com	Nanded
9	Ritika	Anand	Naik	9798765432	ritikanaik@gmail.com	Thane
10	Vishal	Mohan	Deshmukh	9456432189	vishaldeshmukh@gmail.com	Nagpur
11	Pooja	Nitin	Salunkhe	9745612345	poojasalunkhe@gmail.com	Navi Mumbai
12	Sandeep	Ravindra	More	9734521678	sandeepmore@gmail.com	Mumbai
13	Kavita	Mahesh	Mane	9723456789	kavitamane@gmail.com	Pune
14	Ajay	Sanjay	Jadhav	9712345678	ajayjadhav@gmail.com	Solapur
15	Megha	Vijay	Kulkarni	9801234567	meghakulkarni@gmail.com	Nagpur
16	Rajesh	Dinesh	Bhosale	9754321890	rajeshbhosale@gmail.com	Kolhapur
17	Ankita	Ravi	Rathod	9734567890	ankitarathod@gmail.com	Aurangabad
18	Prashant	Mohan	Yadav	9743216789	prashantyadav@gmail.com	Nagpur
19	Sarika	Amol	Chavan	9712345679	sarikachavan@gmail.com	Pune
20	Sunil	Ashok	Joshi	9756784321	suniljoshi@gmail.com	Thane
21	Rekha	Kishore	Mali	9734567891	rekhamali@gmail.com	Mumbai
22	Raj	Prakash	Pawar	9765432187	rajpawar@gmail.com	Pune
23	Swati	Suresh	Kadam	9734567892	swatikadam@gmail.com	Nagpur
24	Amit	Raghav	Tengale	9798654321	amittengale@gmail.com	Mumbai
25	Poonam	Anil	Jadhav	9812345679	poonamjadhav@gmail.com	Nashik
26	Nikhil	Ashok	Kharat	7076543227	nikhilkharat@gmail.com	Nagpur
27	Arpita	Ramesh	More	7023456780	arpitamore@gmail.com	Pune
28	Sagar	Rohit	Pujari	8834567891	sagarpujari@gmail.com	Kolhapur
29	Sneha	Ravi	Kurade	9545678902	snehakurade@gmail.com	Aurangabad
30	Abhinav	Deepak	Gawde	9555784120	abhinavgawde@gmail.com	Kolhapur
31	Shivtej	Sudhir	Bartakke	9588694176	shivtej3116@gmail.com	Kolhapur

6.4 Employment Report :

Employment Report

Sr. No.	First Name	Middle Name	Last Name	Joining Date	Designation	Experience
1	Arun	Vikas	Patil	2005-03-15	Receptionist	No
2	Sakshi	Shashikant	Gaikwad	2004-11-01	Nurse	Yes
3	Pruthvi	Vitthal	Lokare	2004-12-01	Security Guard	No
4	Amit	Ramesh	Kulkarni	2004-05-10	Compounder	No
5	Priya	Anil	Sutar	2005-09-01	Ayaah	Yes
6	Rohit	Sunil	Shinde	2005-07-01	Cleaner	Yes
7	Anjali	Prakash	Katkar	2005-01-10	Receptionist	No
8	Manoj	Ravi	Suryawanshi	2005-03-15	Ayaah	Yes
9	Ritika	Anand	Naik	2004-05-10	Nurse	No
10	Vishal	Mohan	Deshmukh	2004-07-01	Security Guard	No
11	Pooja	Nitin	Salunkhe	2005-11-01	Receptionist	Yes
12	Sandeep	Ravindra	More	2004-01-10	Compounder	No
13	Kavita	Mahesh	Mane	2005-03-15	Cleaner	Yes
14	Ajay	Sanjay	Jadhav	2004-05-10	Receptionist	Yes
15	Megha	Vijay	Kulkarni	2005-07-01	Nurse	No
16	Rajesh	Dinesh	Bhosale	2005-11-01	Security Guard	Yes
17	Ankita	Ravi	Rathod	2005-01-10	Nurse	No
18	Prashant	Mohan	Yadav	2005-05-10	Ayaah	Yes
19	Sarika	Amol	Chavan	2004-11-01	Compounder	Yes
20	Sunil	Ashok	Joshi	2005-01-01	Cleaner	No
21	Rekha	Kishore	Mali	2004-03-15	Receptionist	Yes
22	Raj	Prakash	Pawar	2005-01-01	Security Guard	No
23	Swati	Suresh	Kadam	2004-06-10	Nurse	Yes
24	Amit	Raghav	Tengale	2004-12-15	Ayaah	Yes
25	Poonam	Anil	Jadhav	2005-03-01	Compounder	No
26	Nikhil	Ashok	Kharat	2004-11-05	Cleaner	Yes
27	Arpita	Ramesh	More	2004-10-15	Receptionist	No
28	Sagar	Rohit	Pujari	2004-05-10	Security Guard	Yes
29	Sneha	Ravi	Kurade	2004-08-01	Nurse	Yes
30	Abhinav	Deepak	Gawde	2024-04-21	compounder	No
31	Shivtej	Sudhir	Bartakke	2024-06-27	compounder	No

6.5 Employee Datewise Joining Report :

Joining Datewise Report

Start Date: 03-04-01 End Date: 05-04-01 Filter

Showing results from 03-04-01 to 05-04-01

Joining Datewise Report

Sr. No.	First Name	Middle Name	Last Name	Joining Date	Designation	Experience
1	Arun	Vikas	Patil	2005-03-15	Receptionist	No
2	Sakshi	Shashikant	Gaikwad	2004-11-01	Nurse	Yes
3	Pruthvi	Vitthal	Lokare	2004-12-01	Security Guard	No
4	Amit	Ramesh	Kulkarni	2004-05-10	Compounder	No
7	Anjali	Prakash	Katkar	2005-01-10	Receptionist	No
8	Manoj	Ravi	Suryawanshi	2005-03-15	Ayaah	Yes
9	Ritika	Anand	Naik	2004-05-10	Nurse	No
10	Vishal	Mohan	Deshmukh	2004-07-01	Security Guard	No
12	Sandeep	Ravindra	More	2004-01-10	Compounder	No
13	Kavita	Mahesh	Mane	2005-03-15	Cleaner	Yes
14	Ajay	Sanjay	Jadhav	2004-05-10	Receptionist	Yes
17	Ankita	Ravi	Rathod	2005-01-10	Nurse	No
19	Sarika	Amol	Chavan	2004-11-01	Compounder	Yes
20	Sunil	Ashok	Joshi	2005-01-01	Cleaner	No
21	Rekha	Kishore	Mali	2004-03-15	Receptionist	Yes
22	Raj	Prakash	Pawar	2005-01-01	Security Guard	No
23	Swati	Suresh	Kadam	2004-06-10	Nurse	Yes
24	Amit	Raghav	Tengale	2004-12-15	Ayaah	Yes
25	Poonam	Anil	Jadhav	2005-03-01	Compounder	No
26	Nikhil	Ashok	Kharat	2004-11-05	Cleaner	Yes
27	Arpita	Ramesh	More	2004-10-15	Receptionist	No
28	Sagar	Rohit	Pujari	2004-05-10	Security Guard	Yes
29	Sneha	Ravi	Kurade	2004-08-01	Nurse	Yes

6.6 Employee Bank Report :

Employee Banking Report

Sr. No.	First Name	Last Name	Bank Name	Branch	Acc. Type	Acc. No.	IFSC Code
1	Arun	Patil	State Bank of India	Andheri	Saving	1234567890	SBIN0001234
2	Sakshi	Gaikwad	Punjab National Bank	Kolhapur	Current	6789012345	PUNB0001234
3	Pruthvi	Lokare	Axis Bank	Nagpur	Fixed Depo	3456789012	UTIB0001234
4	Amit	Kulkarni	HDFC Bank	Aurangabad	Recurring	4567890123	HDFC0001234
5	Priya	Sutar	Bank of Maharashtra	Nashik	Saving	5678901234	MAHB0001234
6	Rohit	Shinde	ICICI Bank	Pune	Current	2345678901	ICIC0001234
7	Anjali	Katkar	Central Bank of India	Solapur	Fixed Depo	7890123456	CBIN0001234
8	Manoj	Suryawanshi	Bank of Baroda	Nanded	Saving	8901234567	BARB0001234
9	Ritika	Naik	Union Bank of India	Thane	Recurring	9012345678	UBIN0001234
10	Vishal	Deshmukh	Canara Bank	Nagpur	Current	0123456789	CNRB0001234
11	Pooja	Salunkhe	IDBI Bank	Navi Mumbai	Saving	1234567890	IBKL0001234
12	Sandeep	More	Bank of India	Mumbai	Fixed Depo	2345678901	BKID0001234
13	Kavita	Mane	IndusInd Bank	Pune	Recurring	3456789012	INDB0001234
14	Ajay	Jadhav	Kotak Mahindra Bank	Solapur	Saving	4567890123	KKBK0001234
15	Megha	Kulkarni	Yes Bank	Nagpur	Fixed Depo	5678901234	YESB0001234
16	Rajesh	Bhosale	Syndicate Bank	Kolhapur	Current	6789012345	SYNB0001234
17	Ankita	Rathod	Union Bank of India	Aurangabad	Saving	7890123456	UBIN0001234
18	Prashant	Yadav	IDBI Bank	Nagpur	Fixed Depo	2345678901	IBKL0001234
19	Sarika	Chavan	State Bank of India	Pune	Recurring	3456789012	SBIN0001234
20	Sunil	Joshi	HDFC Bank	Thane	Saving	5678901234	HDFC0001234
21	Rekha	Mali	ICICI Bank	Mumbai	Current	6789012345	ICIC0001234
22	Raj	Pawar	Axis Bank	Pune	Fixed Depo	7890123456	UTIB0001234
23	Swati	Kadam	Punjab National Bank	Nagpur	Saving	8901234567	PUNB0001234
24	Amit	Tengale	Canara Bank	Mumbai	Recurring	0123456789	CNRB0001234
25	Poonam	Jadhav	Union Bank of India	Nashik	Fixed Depo	1234567890	UBIN0001234
26	Nikhil	Kharat	State Bank of India	Nagpur	Saving	2345678901	SBIN0001234
27	Arpita	More	ICICI Bank	Pune	Current	3456789012	ICIC0001234
28	Sagar	Pujari	HDFC Bank	Kolhapur	Fixed Depo	4567890123	HDFC0001234
29	Sneha	Kurade	Axis Bank	Aurangabad	Saving	5678901234	UTIB0001234
30	Abhinav	Gawde	Bank of India	Kolhapur	saving	968754218575458	BKID0008754
31	Shivtej	Bartakke	Bank of baroda	Kolhapur	saving	091116974284527	NJHD4437205

6.7 Patient Information Report :

Patient Basic Information Report

Sr. No.	First Name	Middle Name	Last Name	Mother Name	Mobile No.	Email
1	Arun	Vikas	Patil	Shobha	9876543210	arunpatil@gmail.com
2	Sara	Manoj	Lokare	Rupa	8765432109	saramanojlokare@gmail.com
3	Kabir	Ramesh	Kumbhar	Sneha	7654321098	kabirrameshkumbhar@gmail.com
4	Ishaan	Ajay	Sonule	Sujata	7543210987	ishaanajaysonule@gmail.com
5	Riya	Suresh	Chougale	Leena	7432109876	riyasureshchougale@gmail.com
6	Aarav	Anil	Shinde	Maya	7321098765	aaravanilshinde@gmail.com
7	Mira	Pravin	Tengale	Sunita	7210987654	mirapravingtengale@gmail.com
8	Rohan	Vijay	Suryawanshi	Archana	7109876543	rohanvijaysuryawanshi@gmail.com
9	Diya	Gopal	Sutar	Meena	7098765432	diyagopalsutar@gmail.com
10	Rudra	Mahesh	Katkar	Neha	7987654321	rudramaheshkatkar@gmail.com
11	Anika	Vishal	Gaikwad	Pooja	7876543219	anikavishalgaikwad@gmail.com
12	Ayaan	Prakash	Mane	Rita	7765432108	ayaanprakashmane@gmail.com
13	Yash	Anil	Jadhav	Kavita	7654321097	yashaniljadhav@gmail.com
14	Aditi	Mohan	Kulkarni	Neeta	7543210986	aditimohankulkarni@gmail.com
15	Saanvi	Rajesh	Bhosale	Anita	7432109875	saanvirajeshbhosale@gmail.com
16	Vivaan	Nitin	Naik	Smita	7321098764	vivaan nitinnaik@gmail.com
17	Ishita	Ajay	Salunkhe	Vidya	7210987653	ishitaajaysalunkhe@gmail.com
18	Reva	Sandeep	Rathod	Asha	7109876542	revasandeep rathod@gmail.com
19	Devansh	Mahesh	Joshi	Geeta	7098765431	devanshmaheshjoshi@gmail.com
20	Kavya	Ajit	Chavan	Deepali	7987654320	kavyaajitchavan@gmail.com
21	Nisha	Kiran	Mali	Sushma	7876543218	nishakiranmali@gmail.com
22	Ridhima	Deepak	Bartakke	Anjali	7765432107	ridhimadeepakbartakke@gmail.com
23	Hrishikesh	Sagar	Sarvade	Supriya	7654321096	hrishikeshsagarsarvade@gmail.com
24	Rudransh	Vijay	Kharat	Seema	7543210985	rudranshvijaykharat@gmail.com
25	Diya	Umesh	Pawar	Shweta	7432109874	diyaumeshpawar@gmail.com
26	Aryan	Sanjay	Ghadge	Veena	7321098763	aryansanjayghadge@gmail.com
27	Kiara	Suresh	Patil	Radhika	7210987652	kiarasureshpatil@gmail.com
28	Siddharth	Anand	Dhavale	Vasundhara	7109876541	siddharthananddhavale@gmail.com
29	Ananya	Vikas	Bhingude	Rajeshwari	7098765430	ananyavikasbhingude@gmail.com
30	Rohan	Shrikant	Yadav	Shobha	7987654319	rohanshrikantyadav@gmail.com
31	Aarohi	Pradeep	Shetke	Nisha	7876543208	aarohipradeepshetke@gmail.com
32	Reyansh	Rohit	Metkar	Manisha	7765432106	reyanshrohitmetkar@gmail.com
33	Arya	Kunal	Raut	Geeta	7654321095	aryakunalraut@gmail.com
34	Isha	Rajesh	Kore	Neeta	7543210984	isharajeshkore@gmail.com
35	Rhea	Amit	Varpe	Smita	7432109873	rheamitvarpe@gmail.com
36	Advait	Sumit	Kharade	Kavita	7321098762	advaitsumitkharade@gmail.com
37	Avni	Santosh	Sawant	Leela	7210987651	avnisantoshsawant@gmail.com
38	Arjun	Nilesh	Kurade	Sunita	7109876540	arjunnileshkurade@gmail.com
39	Vihan	Dev	Pujari	Ranjana	7098765429	vihandevpujari@gmail.com
40	Zara	Abdul	Shaikh	Ayesha	7987654318	zaraabdulshaikh@gmail.com
41	Maria	David	Fernandes	Sara	7876543207	mariadavidfernandes@gmail.com
42	Noah	Matthew	D'Souza	Elena	7765432105	noahmatthewdsouza@gmail.com
43	Ayaan	Sameer	Khan	Nazma	7654321094	ayansameerkhan@gmail.com
44	Maya	Vinayak	Deshmukh	Swati	7543210983	mayavinayakdeshmukh@gmail.com

6.8 Patient Details Report :

Patient Details Report

Sr. No.	First Name	Middle Name	Last Name	Birth Date	Age	Blood Group	Gender	Dr. Refference
1	Arun	Vikas	Patil	2021-08-01	3	A+	Male	Dr. Rao
2	Sara	Manoj	Lokare	2022-02-11	2	B-	Female	Dr. Kumar
3	Kabir	Ramesh	Kumbhar	2019-04-17	5	O+	Male	Dr. Mehta
4	Ishaan	Ajay	Sonule	2020-10-21	4	A-	Male	Dr. Patil
5	Riya	Suresh	Chougale	2023-08-02	1	AB+	Female	Dr. Shah
6	Aarav	Anil	Shinde	2024-08-12	0	B+	Male	Dr. Joshi
7	Mira	Pravin	Tengale	2018-03-19	6	O-	Female	Dr. Nair
8	Rohan	Vijay	Suryawanshi	2021-01-22	3	A+	Male	Dr. Patil
9	Diya	Gopal	Sutar	2019-12-03	5	B+	Female	Dr. Shah
10	Rudra	Mahesh	Katkar	2022-05-15	2	AB-	Male	Dr. Kumar
11	Anika	Vishal	Gaikwad	2020-10-27	4	A+	Female	Dr. Rao
12	Ayaan	Prakash	Mane	2024-08-03	1	O+	Male	Dr. Mehta
13	Yash	Anil	Jadhav	2024-08-04	3	B-	Male	Dr. Patil
14	Aditi	Mohan	Kulkarni	2024-08-04	6	AB+	Female	Dr. Shah
15	Saanvi	Rajesh	Bhosale	2024-08-04	2	A-	Female	Dr. Joshi
16	Vivaan	Nitin	Naik	2024-08-04	4	O-	Male	Dr. Kumar
17	Ishita	Ajay	Salunkhe	2024-08-05	1	B+	Female	Dr. Rao
18	Reva	Sandeep	Rathod	2024-08-05	3	AB+	Female	Dr. Patil
19	Devansh	Mahesh	Joshi	2024-08-05	5	A+	Male	Dr. Mehta
20	Kavya	Ajit	Chavan	2024-08-05	6	B+	Female	Dr. Rao
21	Nisha	Kiran	Mali	2024-08-06	3	O-	Female	Dr. Shah
22	Ridhima	Deepak	Bartakke	2024-08-06	2	A+	Female	Dr. Joshi
23	Hrishikesh	Sagar	Sarvade	2024-08-06	4	AB-	Male	Dr. Kumar
24	Rudransh	Vijay	Kharat	2024-08-06	1	O+	Male	Dr. Mehta
25	Diya	Umesh	Pawar	2024-08-07	0	B-	Female	Dr. Patil
26	Aryan	Sanjay	Ghadge	2019-09-19	5	A+	Male	Dr. Rao
27	Kiara	Suresh	Patil	2021-12-17	3	AB+	Female	Dr. Joshi
28	Siddharth	Anand	Dhavale	2018-08-17	6	A+	Male	Dr. Patil
29	Ananya	Vikas	Bhingude	2022-01-19	2	B+	Female	Dr. Shah
30	Rohan	Shrikant	Yadav	2020-07-18	4	O-	Male	Dr. Rao
31	Aarohi	Pradeep	Shetke	2023-08-08	1	AB+	Female	Dr. Mehta
32	Reyansh	Rohit	Metkar	2024-01-26	0	O+	Male	Dr. Patil
33	Arya	Kunal	Raut	2019-08-15	5	A-	Female	Dr. Shah
34	Isha	Rajesh	Kore	2018-09-04	6	B-	Female	Dr. Rao
35	Rhea	Amit	Varpe	2022-01-09	2	AB-	Female	Dr. Mehta
36	Advait	Sumit	Kharade	2018-09-12	6	O-	Male	Dr. Patil
37	Avni	Santosh	Sawant	2021-08-10	3	A+	Female	Dr. Shah
38	Arjun	Nilesh	Kurade	2019-03-01	4	B+	Male	Dr. Rao
39	Vihan	Dev	Pujari	2022-03-03	2	O+	Male	Dr. Mehta
40	Zara	Abdul	Shaikh	2022-12-24	2	AB+	Female	Dr. Patil
41	Maria	David	Fernandes	2018-06-17	6	A-	Female	Dr. Shah
42	Noah	Matthew	D'Souza	2020-06-06	4	B+	Male	Dr. Rao
43	Ayaan	Sameer	Khan	2022-06-26	2	O-	Male	Dr. Mehta
44	Maya	Vinayak	Deshmukh	2021-10-22	3	AB-	Female	Dr. Patil
45	Ishaan	Rahul	More	2018-04-14	6	A+	Male	Dr. Shah

6.9 Patient Birthdate-wise Report :

Patient Birthdatewise Report

Start Date: 21-04-01 End Date: 24-06-01 Filter

Showing results from 21-04-01 to 24-06-01

Patient Birthdatewise Report

Sr. No.	First Name	Middle Name	Last Name	Birth Date	Age	Blood Group	Gender	Dr. Reference
1	Arun	Vikas	Patil	2021-08-01	3	A+	Male	Dr. Rao
2	Sara	Manoj	Lokare	2022-02-11	2	B-	Female	Dr. Kumar
5	Riya	Suresh	Chougale	2023-08-02	1	AB+	Female	Dr. Shah
10	Rudra	Mahesh	Katkar	2022-05-15	2	AB-	Male	Dr. Kumar
27	Kiara	Suresh	Patil	2021-12-17	3	AB+	Female	Dr. Joshi
29	Ananya	Vikas	Bhingude	2022-01-19	2	B+	Female	Dr. Shah
31	Aarohi	Pradeep	Shetke	2023-08-08	1	AB+	Female	Dr. Mehta
32	Reyansh	Rohit	Metkar	2024-01-26	0	O+	Male	Dr. Patil
35	Rhea	Amit	Varpe	2022-01-09	2	AB-	Female	Dr. Mehta
37	Avni	Santosh	Sawant	2021-08-10	3	A+	Female	Dr. Shah
39	Vihan	Dev	Pujari	2022-03-03	2	O+	Male	Dr. Mehta
40	Zara	Abdul	Shaikh	2022-12-24	2	AB+	Female	Dr. Patil
43	Ayaan	Sameer	Khan	2022-06-26	2	O-	Male	Dr. Mehta
44	Maya	Vinayak	Deshmukh	2021-10-22	3	AB-	Female	Dr. Patil
47	Kabir	Nilesh	Jadhav	2021-08-12	3	O-	Male	Dr. Mehta

CHAPTER-7
CONCLUSION
&
SUGGESTION
FROM
PROJECT

7.1 Conclusion :

The “Audiologists Diagnostic Assessment Port” represents a significant step forward in the diagnosis and management of hearing and developmental issues in young children. By providing an integrated, user-friendly system for both caregivers and healthcare professionals, the port addresses many of the challenges present in traditional healthcare systems.

The port streamlines patient data management, appointment scheduling, and diagnostic assessments, making it easier for audiologists to deliver high-quality care. Caregivers benefit from the convenience of scheduling appointments and conducting assessments online, reducing the need for frequent clinic visits. The centralized database ensures that all patient records and assessment results are stored securely and can be easily accessed when needed.

Additionally, the system’s use of modern web technologies such as HTML, CSS, JavaScript, and Python's CGI library provides a solid foundation for future growth and scalability. It ensures that the port can handle increasing numbers of patients, employees, and doctors, while maintaining data security and system performance.

In conclusion, the Audiologists Diagnostic Assessment Port not only improves the efficiency of audiological services but also enhances the experience for caregivers and young patients. The system's ability to automate and simplify various aspects of the diagnostic process will lead to more accurate assessments, timely interventions, and better overall patient outcomes.

7.2 Limitation :

While the "Audiologists Diagnostic Assessment Port" provides many advantages in streamlining patient care and diagnosis, there are certain limitations to the system that should be acknowledged:

1. Limited to Online Assessments :

The port is focused primarily on online diagnostic assessments for young children. However, certain complex evaluations may still require in-person visits to audiologists for more accurate and detailed testing, limiting the effectiveness of online assessments in all situations.

2. Dependent on Internet Access :

The port requires stable internet access for both caregivers and healthcare professionals to log in, schedule appointments, and conduct assessments. In regions with poor internet connectivity, users may face difficulties accessing the system, which could hinder timely care.

3. Caregiver Dependency for Assessments :

Since the assessment is designed for children aged 0-6, it relies heavily on caregivers to correctly interpret and respond to the questions on behalf of the child. Misinterpretation or misrepresentation of the child's symptoms could affect the accuracy of the assessment results.

4. Limited Scope of Assessments :

The assessment questions stored in the system are designed to screen for specific conditions related to hearing and developmental issues. The system may not cover all possible symptoms or conditions that a child could present, necessitating additional tools or methods for comprehensive evaluation.

5. Maintenance and Technical Support :

The port requires regular maintenance and updates to ensure its performance, security, and compatibility with newer technologies. A lack of timely technical support or maintenance could lead to system downtime or vulnerabilities, affecting its overall reliability.

6. Adaptability to Various Audiological Practices :

Different audiologists and clinics may have unique workflows and practices. The port may not fully adapt to every clinic's specific needs without further customization, which could limit its universal applicability.

Despite these limitations, the Audiologists Diagnostic Assessment Port provides a robust solution for improving the delivery of audiological care to young children. However, addressing these limitations through further development and support could enhance its effectiveness and ensure that it meets the needs of a wider range of users.

7.3 Suggestion :

To further enhance the “Audiologists Diagnostic Assessment Port” and overcome its limitations, the following suggestions are proposed:

1. Integration of In-Person Evaluation Features :

While the port is focused on online assessments, it would be beneficial to integrate features that allow audiologists to schedule and document in-person evaluations. This could include tools for recording in-clinic test results and integrating them with the online assessments to provide a more comprehensive diagnostic profile.

2. Offline Access Capabilities :

To mitigate issues related to internet dependency, an offline mode could be developed, allowing users to access certain features, such as viewing past reports or assessments, even without an internet connection. Once the connection is restored, data could be synced with the server.

3. Enhanced Caregiver Guidance :

Providing more detailed guidance or tutorials for caregivers on how to accurately respond to assessment questions could improve the reliability of results. Video tutorials or live chat support could be implemented to assist caregivers in understanding the process.

4. Expansion of Assessment Modules :

Expanding the scope of the online assessments to cover a broader range of developmental and auditory conditions could make the system more versatile. Including specialized assessments for different age ranges or specific symptoms would allow for more detailed evaluations and a wider range of diagnostic capabilities.

5. Regular Updates and Technical Support :

Establishing a routine maintenance schedule and ensuring regular updates to the system will help maintain its performance and security. Additionally, providing readily available technical support will ensure that any issues are promptly addressed, minimizing downtime and improving user experience.

6. Customization for Different Clinics :

Allowing for customizable workflows based on the unique needs of different clinics and audiologists could improve the system's adaptability. This could include flexible data entry forms, customizable assessment templates, and more personalized reporting features.

7. Improving User Engagement and Feedback :

Implementing a feedback system where caregivers and healthcare professionals can suggest improvements or report issues would help in identifying areas that require enhancements. Regular engagement with users can lead to a better understanding of their needs and ensure continuous improvements to the system.

By implementing these suggestions, the Audiologists Diagnostic Assessment Port can become a more comprehensive and adaptable tool, further enhancing the quality of care for young patients and improving the overall user experience for both caregivers and healthcare professionals.

CHAPTER-8

ANNEXURE

OF

PROJECT

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 1

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	27th May 2024 TO 2nd June 2024
Period of Progress Report	7 Days

Progress :

- Problem Identification.
- Project Topic Finalization.
- Submission of Synopsis.
- Introduction to HTML, CSS, JavaScript, Python.

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 2

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	3rd June 2024 TO 9th June 2024
Period of Progress Report	7 Days

Progress :

- Introduction to SQL.
- Basic Commands in SQL.
- Function of SQL.

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 3

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	10th June 2024 TO 16th June 2024
Period of Progress Report	7 Days
Progress : • Introduction to Creating Database Table. • Installing Latest Version of XAMPP. • Overview of HTML, CSS, JavaScript.	

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 4

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	17th June 2024 TO 23rd June 2024
Period of Progress Report	7 Days
Progress : • SRS Submission and Approval.	

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 5

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	24th June 2024 TO 30th June 2024
Period of Progress Report	7 Days
Progress : • Data Flow Diagram. • Entity Relationship Diagram. • UML Diagram.	

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 6

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	1st July 2024 TO 7th July 2024
Period of Progress Report	7 Days

Progress :

- Completed Database Design Using MySQL.
  Admin Module
- Completed Design for Admin Module.

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 7

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	8th July 2024 TO 14th July 2024
Period of Progress Report	7 Days

Progress :

Admin Module -

- Connecting MySQL Database Using Python Completed.
- Completed Admin Module.
- Reports Generated.

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 8

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	15th July 2024 TO 21st July 2024
Period of Progress Report	7 Days

Progress :

User Module -

- Designing of User Module.
- Completed Working on the User Module.
- Reports Generated.

Signature of Student Signature of Industry Guide

WEEKLY PROGRESS REPORT

Weekly Progress Report No. 9

Name of Student	Lokare Pruthviraj Vitthal
Title of the Project	Audiology Diagnostic Assessment Port
Name of Guide	Mr. Shridhar B. Khot
Organization	WOLFOX SERVICES PVT. LTD.
Date of Joining Organization	27th May 2024
Date of Progress Report	22nd July 2024 TO 27th July 2024
Period of Progress Report	6 Days
Progress : • Start Working on first draft. • Explained and Present project details to company.	

Signature of Student Signature of Industry Guide

GUIDE STUDENT MEETING RECORD

Student Name :

Guide Name :

Contact No. :

Topic :

Industry Name :

Industry Guide Name :

Designation :

Contact No. :

Sr. No.	Date	Description	Signature of Institute Guide	Signature of Student
1		Problem Identification, Topic Finalization, Submission of Synopsis. (First week of In-plant training)		
2		SRS submission and approval (Fourth week of In-plant training)		
3		Logical Design of System (DFD, System flowchart, ERD, UML Diagrams, Decision tables, Design tree, etc. which is applicable) (Fifth week of In-plant training)		
4		Database Design (Sixth week of In-plant training)		
5		Input/Output Design (Eight week of In-plant training)		
6		Submission of First Draft (Second week of Sem III)		
7		Submission of Second Draft (Fifth week of Sem III)		
8		Submission of Final Draft (Tenth week of Sem III)		

Sr. No.	Date	Description	Signature of Institute Guide	Signature of Student
1				
2				
3				
4				
5				
6				
7				
8				

CHAPTER-9
REFERENCE
FOR
PROJECT

References :

During the development of our system, we have taken the reference from various books and websites, which we would like to mention in this section.

1. Reference Books :

- ✓ Robin Nixon - Learning My-SQL, JavaScript, CSS, HTML : O'Reilly Publication.
- ✓ W Jason Gilmore - My-SQL: From Novice to Professional, Fourth Edition.
- ✓ Mark Lutz - Programming Python : O'Reilly Media.
- ✓ Kogent Learning Solution - Web Technologies Black Book Dreamtech Press.
- ✓ Ralph Mosely and M. T. Savaliya - Developing Web Application : Wiley India.
- ✓ Steve Holden - Python Web Programming : New Riders Publishing.

2. Websites :

- **For My-SQL :**
  - **https://www.mysql.com/**
  - **http://www.mysqltutorial.org/**
- **For XAMPP :**
  - **https://www.apachefriends.org/download.html**
- **For PYTHON :**
  - **https://www.python.org/**