



THE FABLAB BICOL APPOINTMENT PROJECT



Albano | Llesol | Serrano





01

INTRODUCTION





02



MISSION STATEMENT





MISSION STATEMENT



- A web-based appointment system that allows the customers to book online appointments
- An administration system that manages business requests and appointments from the customers.
- A notification system that notifies users of new appointment requests, and pending appointments.



03

TECHNICAL OBJECTIVES



A web-based appointment system that allows customers to book online appointments through a user-friendly interface.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a website that allows users to make an appointment for their convenience.	<ul style="list-style-type: none">— Presence of an appointment module— Users must be able to book appointments in the system.
<ul style="list-style-type: none">— Create a website that prompts the users to provide the purpose/reasons for their appointment.	<ul style="list-style-type: none">— Presence of a form in the appointment module— Users must be able to select and enter their purpose/reason for their appointment.

A web-based appointment system that allows customers to book online appointments through a user-friendly interface.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a website that prompts the users to select their preferred date and time for their appointment.	<ul style="list-style-type: none">— Presence of a date and time picker in the appointment module— Users must be able to select their preferred date and time for their appointment,
<ul style="list-style-type: none">— Create a website that lets the users confirm their entered information.	<ul style="list-style-type: none">— Presence of a confirmation page— Users must be able to review their inputted information, and confirm once they are satisfied



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A web-based appointment system that allows customers to book online appointments through a user-friendly interface.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a website that notifies the users about the status of their appointment.	<ul style="list-style-type: none">— Presence of a notification module— Users should be notified through their inputted email and contact number.
<ul style="list-style-type: none">— Create a website that can cancel a user's appointment.	<ul style="list-style-type: none">— Presence of a cancellation module— Users must be able to cancel their appointment by entering their appointment ID in the module.



An administration system that manages business requests and appointments from customers.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a desktop application that allows the user to manage appointments.	<ul style="list-style-type: none">— Presence of a management module.— Users must be able to view, edit, and delete appointments.
<ul style="list-style-type: none">— Create a desktop application that allows the user to approve appointments.	<ul style="list-style-type: none">— Presence of an approval module.— Users must be able to approve and deny appointment requests.

An administration system that manages business requests and appointments from customers.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a desktop application that notifies the user of requested, and pending appointments.	<ul style="list-style-type: none">— Presence of a notification module.— Users should be notified through the notification system of the OS and a section of the desktop application.
<ul style="list-style-type: none">— Create a desktop application that notifies the user of requested, and pending appointments.	<ul style="list-style-type: none">— Presence of a notification module.— Users should be notified through the notification system of the OS and a section of the desktop application.



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An administration system that manages business requests and appointments from customers.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a desktop application that lets the user set available and unavailable days and times for requesting appointments	<ul style="list-style-type: none">— Presence of a module to limit and set the range for appointment dates and times.— Users in the website app should be able to only select available days and times in the appointment module.
<ul style="list-style-type: none">— Create a desktop application that is only accessible to authorized users.	<ul style="list-style-type: none">— Presence of an authentication system.— Users must be able to log in and out of the system.

A notification system that notifies users of new appointment requests, and pending appointments.

Technical Objectives	Performance Measures
<ul style="list-style-type: none">— Create a mobile application to notify users about new appointment requests, and pending appointments.	<ul style="list-style-type: none">— Presence of a notification module.— Users must be notified through the notification system of the OS and a section of the mobile application.
<ul style="list-style-type: none">— Create a mobile application for users to quickly approve or deny appointment requests.	<ul style="list-style-type: none">— Presence of an approval module.— Users must be able to approve or deny appointment requests through the mobile application.

A notification system that notifies users of new appointment requests, and pending appointments.

Technical Objectives	Performance Measures
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03

SCOPE AND LIMITATIONS

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The project is mainly to serve as a software that provides convenience and efficiency in FabLab's appointment matters and not a direct attempt to boost sales. This system also does not assume responsibility for fraud, scams, and similar malicious acts from bogus customers, may it be business-related or not.





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CONCEPTUAL FUNCTIONAL MODEL



Technical Objectives: CONCEPTUAL FUNCTIONAL MODEL



01

Create a website that allows users to request and reserve appointments.

02

Create a desktop application that allows users to view customer appointment requests and options to approve or deny requests, and set dates and days for available appointments.

03

Create a mobile application that notifies users of new appointment requests, and have the ability to quickly approve or deny them.



05



OPERATIONAL SCENARIO





OPERATIONAL SCENARIO



1



A user visits the website to request an appointment. At the front page, the user will be shown an introduction of the organization, and their services. There will be a login and register button. Clicking it will redirect them to their respective pages.

free



2

The login page shows a form asking for the email address and password. Successful logins will redirect the user to the dashboard.



OPERATIONAL SCENARIO



free



3

The Appointment Request will have basic information. There will also be a calendar and a clock. An occupied date and time would be colored red, and cannot be selected. Once fields are filled a button "NEXT" then will redirect them to confirmation page

4

The confirmation page will show the user a second look before they submit. There will be "Edit" button will redirect them to "3". Once the user is satisfied, they can now click "CONFIRM" button and will redirect them to front-page with successful alert message else if an error occur they will not be redirected; an error message will pop up and they may try again to send if it is possible.



OPERATIONAL SCENARIO



5



Once the user is done with appointment request. There will be notification in their phone having an option to approve or deny. The mobile app is protected within their authentication to deny unauthorized users.

6



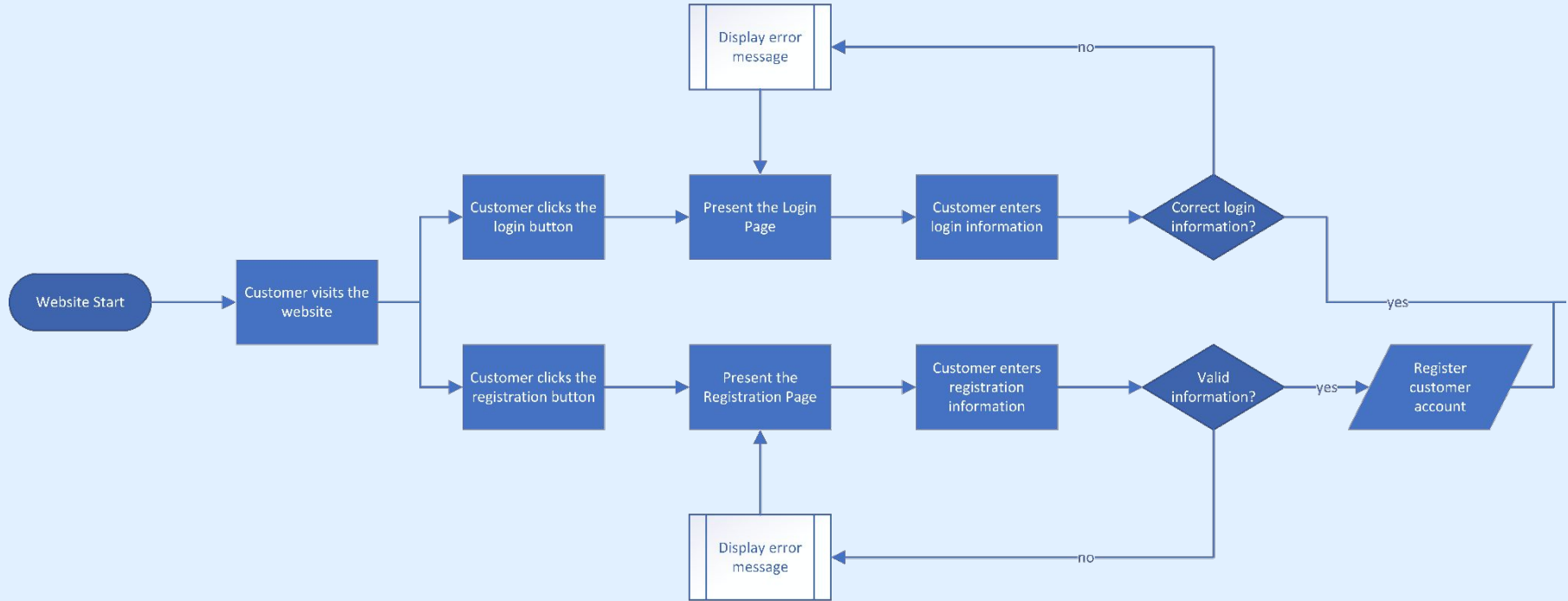
The desktop application lets Employee set available dates and times for appointments and unavailable dates and times, and setting these also updates the website data accordingly. Employee can approve or deny and modify or delete the appointments. The desktop app is protected within their authentication to deny unauthorized users



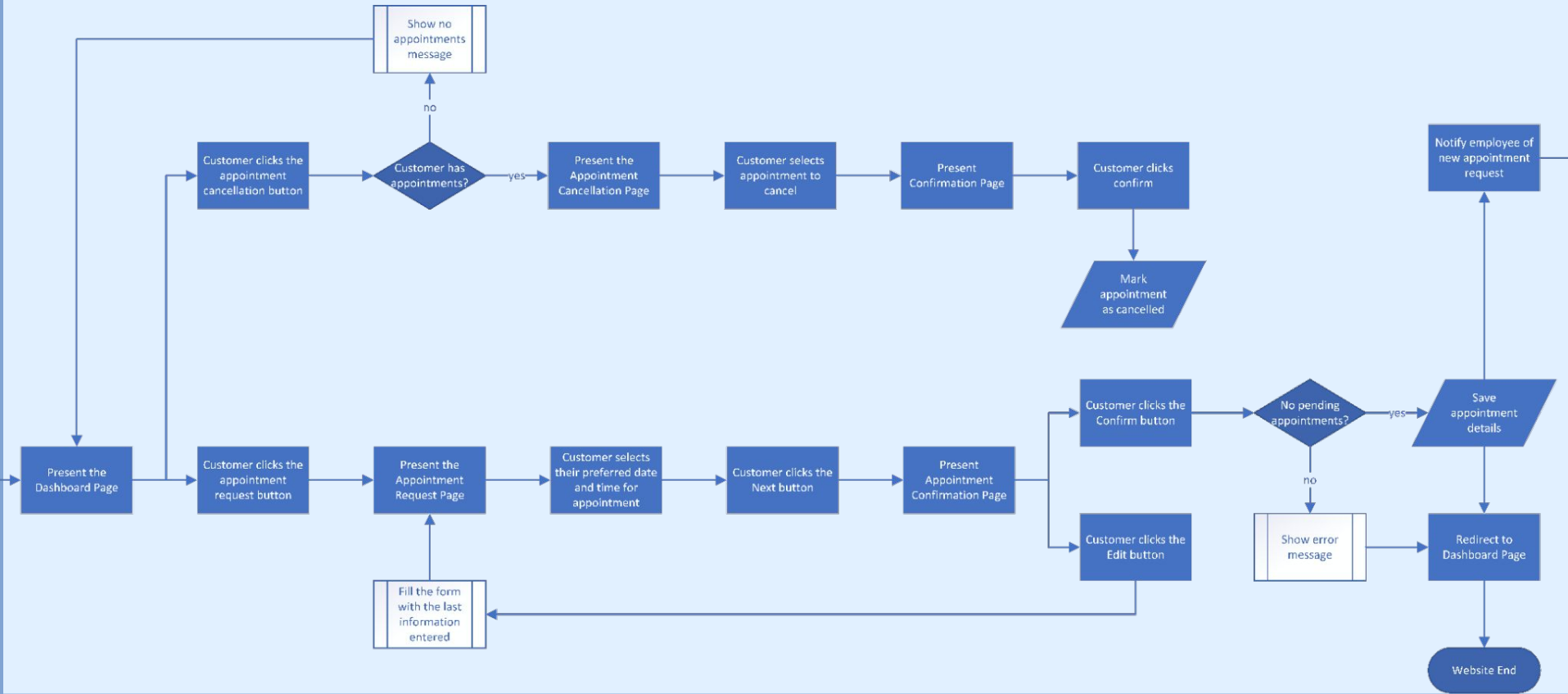
06

ACTIVITY DIAGRAM - FUNCTIONAL ANALYSIS

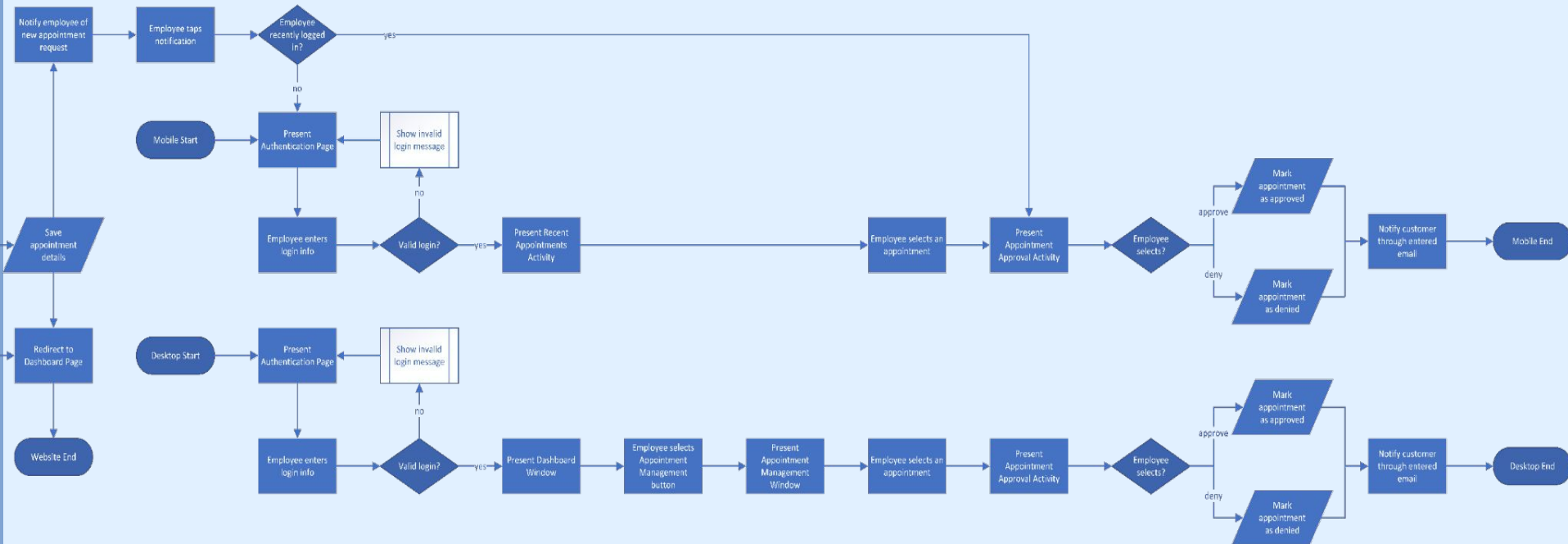
ACTIVITY DIAGRAM - FUNCTIONAL ANALYSIS



ACTIVITY DIAGRAM - FUNCTIONAL ANALYSIS



ACTIVITY DIAGRAM - FUNCTIONAL ANALYSIS

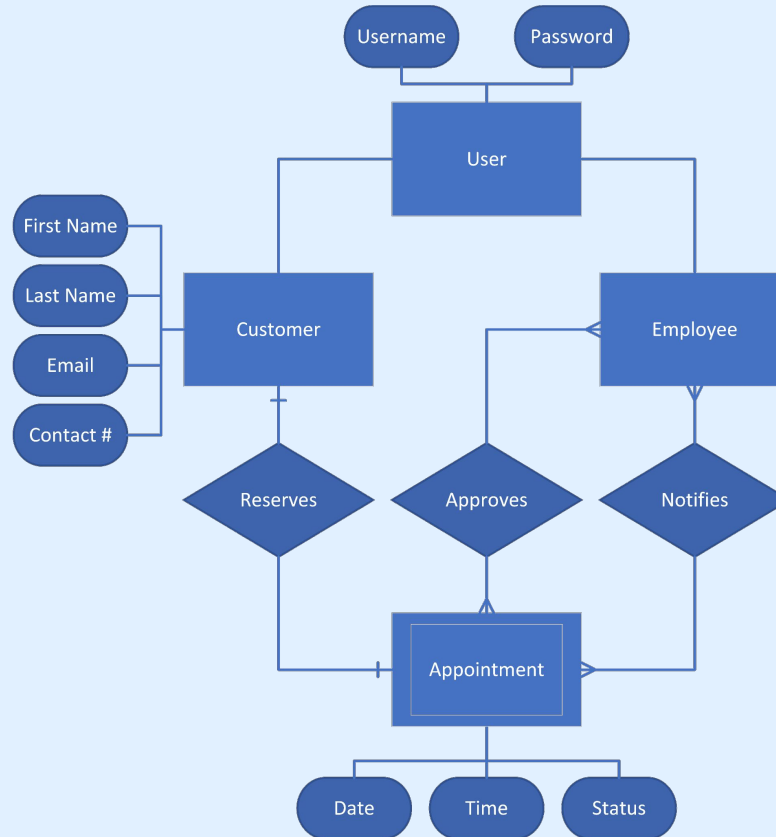




ERD - DATA ANALYSIS



ERD - DATA ANALYSIS

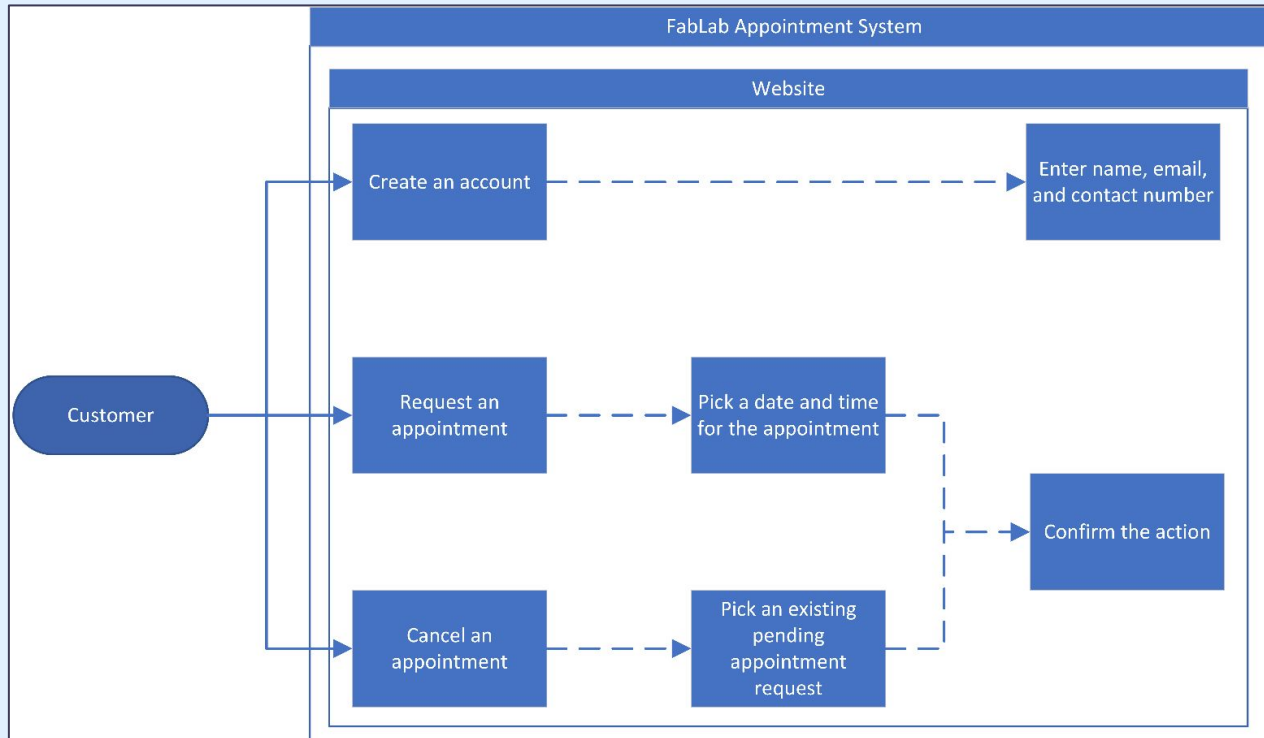




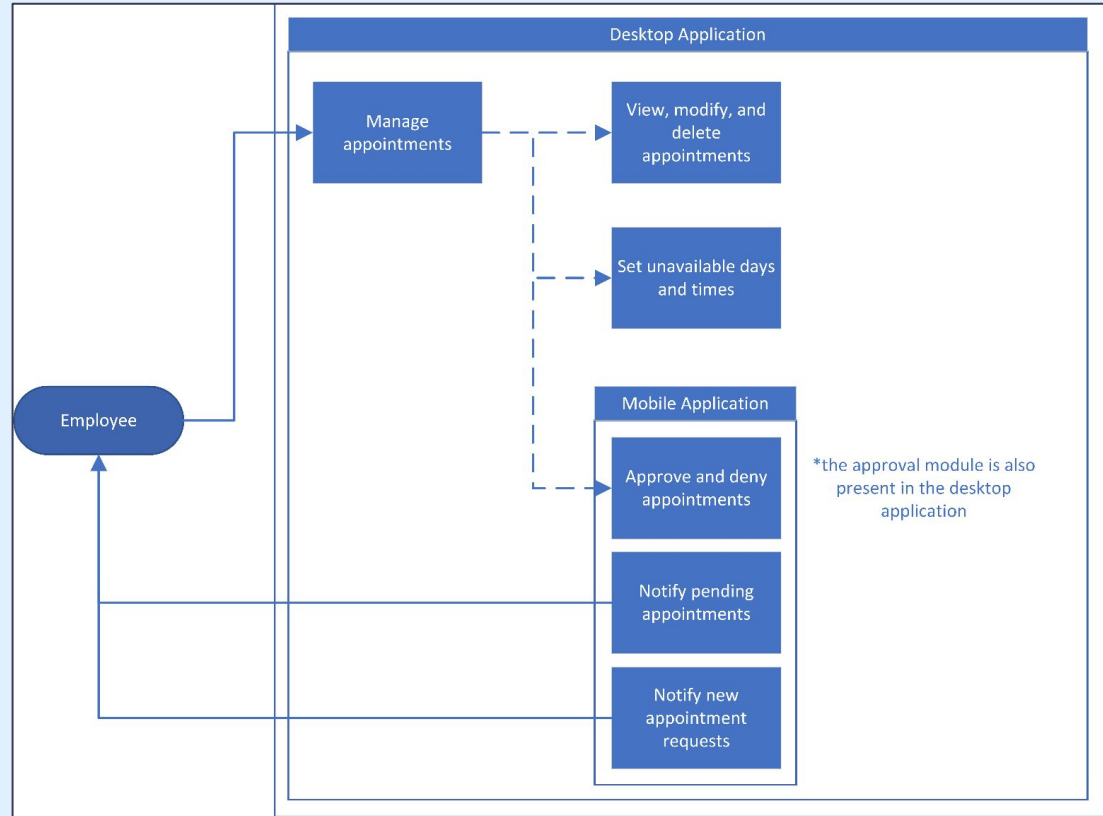
07

USE-CASE DIAGRAM - BEHAVIOR ANALYSIS

DATA FLOW DIAGRAM - DATA FLOW ANALYSIS



DATA FLOW DIAGRAM - DATA FLOW ANALYSIS



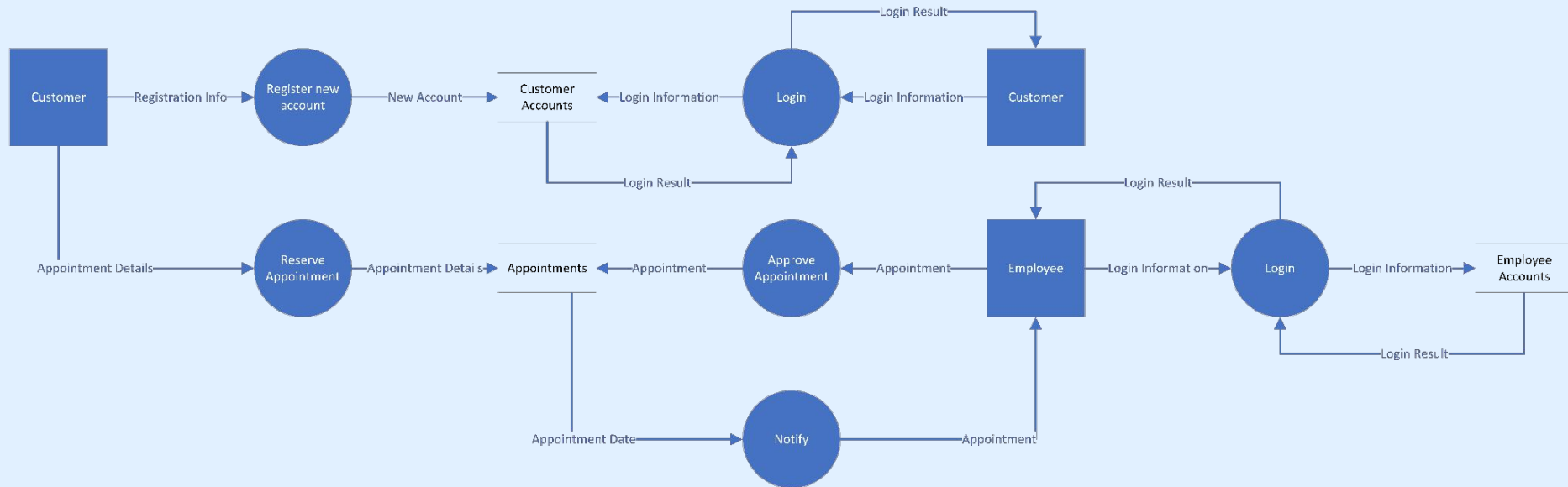


08

DATA FLOW DIAGRAM - DATA FLOW ANALYSIS



DATA FLOW DIAGRAM - DATA FLOW ANALYSIS





09

MOCK SCREENSHOTS - UI/UX ANALYSIS



MOCK SCREENSHOTS - UI/UX ANALYSIS



Log in

Sign up

FabLab

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ipsum a arcu cursus vitae congue mauris. Augue eget arcu dictum varius duis. Eu scelerisque felis imperdiet proin fermentum leo vel orci porta.

Request an Appointment

MOCK SCREENSHOTS - UI/UX ANALYSIS



Log in

Sign up

Create an Account

First name

Last name

Email

Contact no.

Username

Password

Confirm Password

Create Account

MOCK SCREENSHOTS - UI/UX ANALYSIS

A mockup of a login page. The background is dark blue with a large, faint 'Fa' and some placeholder text. In the top right corner, there are two buttons: 'Log in' and 'Sign up'. In the center, there is a white modal box with rounded corners. The modal has a title 'Sign in to your account' and a close button (an 'X' in a circle). Inside the modal, there are two input fields: 'Username or Email' and 'Password'. The 'Password' field has a toggle icon (an eye) on the right. Below the input fields is a blue 'Log in' button. At the bottom of the modal, there are two links: 'Forgot Password?' and 'Create New Account'.

Log in Sign up

Sign in to your account

Username or Email

Password

Log in

[Forgot Password?](#) [Create New Account](#)

MOCK SCREENSHOTS - UI/UX ANALYSIS



Appointment Request

Last Name

First Name

Email

Contact No.

Purpose

Date

Time

next

MOCK SCREENSHOTS - UI/UX ANALYSIS



Pending Appointments

Approved Appointments

Rejected Appointments

Welcome, Admin! 

[Log out](#)

Pending Appointments

Appointment Date

September 05, 2022

Appointment Time

9:30 AM

Appointment By

Juan Dela Cruz



[View Details](#)



Appointment Date

October 11, 2022

Appointment Time

10:30 AM

Appointment By

Lectric Fan



[View Details](#)



Appointment Date

October 01, 2022

Appointment Time

2:00 PM

Appointment By

Pinoi Fablaber



[View Details](#)



Appointment Date

September 10, 2022

Appointment Time

9:45 AM

Appointment By

Amogus Sus



[View Details](#)



Appointment Date

November 01, 2022

Appointment Time

10:30 AM

Appointment By

Holly Dei



[View Details](#)



Appointment Date

November 03, 2022

Appointment Time

9:30 AM

Appointment By

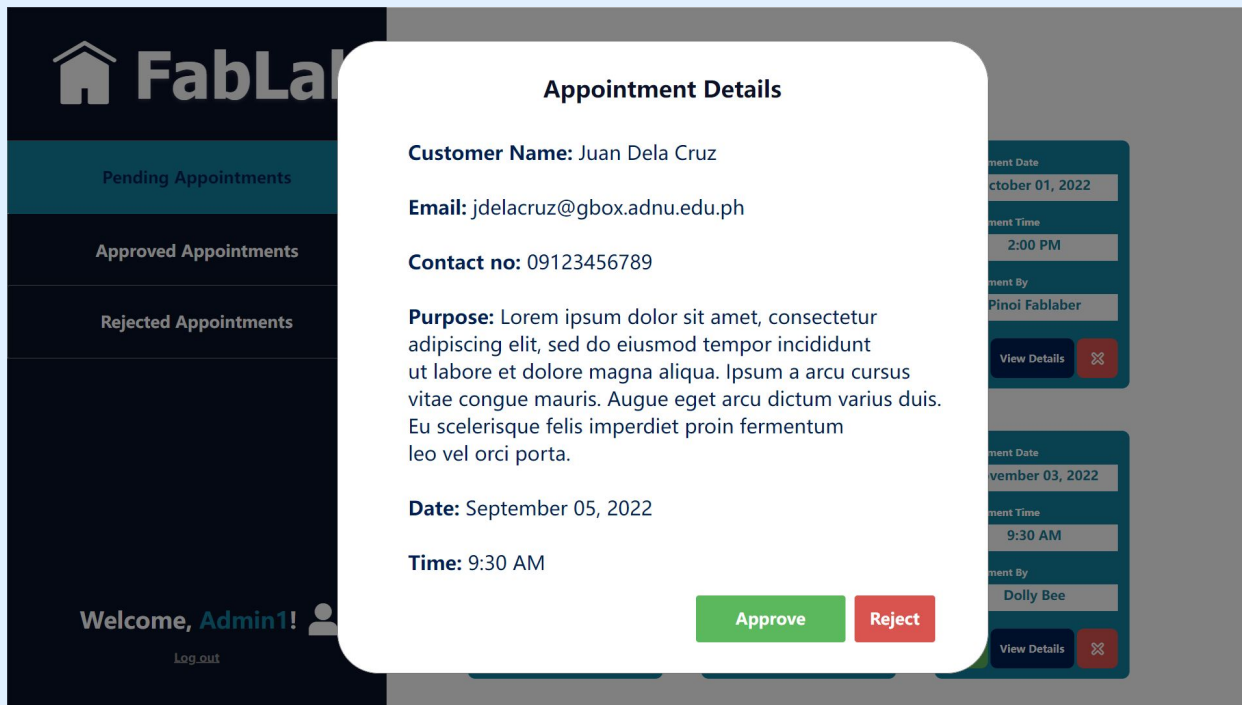
Dolly Bee



[View Details](#)



MOCK SCREENSHOTS - UI/UX ANALYSIS



MOCK SCREENSHOTS - UI/UX ANALYSIS



Request New Appointment

Welcome, **jdela**crz! 

[Log out](#)

My Appointment History

Appointment Date
November 03, 2022

Appointment Time
9:30 AM

Status
Pending

[View Details](#) [Cancel](#)

Appointment Date
September 05, 2022

Appointment Time
9:30 AM

Status
Done

[View Details](#)

Appointment Date
October 11, 2022

Appointment Time
10:30 AM

Status
Done

[View Details](#)

Appointment Date
October 01, 2022

Appointment Time
2:00 PM

Status
Done

[View Details](#)

Appointment Date
September 10, 2022

Appointment Time
9:45 AM

Status
Done

[View Details](#)

Appointment Date
November 01, 2022

Appointment Time
10:30 AM

Status
Rejected

[View Details](#)



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PHYSICAL ALLOCATION MODEL



PHYSICAL ALLOCATION MODEL

Task	Assigned To	Approximation of Time Needed
Installation of needed development tools	Everyone	3 hours
Website Tasks		
Front-end for Home/Landing page	Llesol	3 days
Front-end for Login page	Albano	1 day
Front-end for Registration page	Albano	1 day
Front-end for Dashboard page	Albano	2 days
Front-end for Appointment Request page	Llesol	1 weeks

PHYSICAL ALLOCATION MODEL

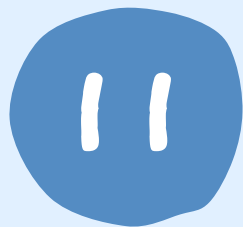
Front-end for Appointment Cancellation page	Llesol	1 day
Front-end for Confirmation page	Llesol	1 day
Customer Account (Login/Register) Module	Serrano	3 days
Appointment Request Module	Serrano	1 day
Appointment Cancellation Module	Serrano	1 day
Confirmation Module	Serrano	1 day

PHYSICAL ALLOCATION MODEL

Desktop App Tasks		
Employee Login UI	Albano	1 day
Dashboard UI	Albano	2 days
Appointment Management UI	Albano	1 week
Employee Account Module	Serrano	1 day
Appointment Management Module	Serrano	1 week

PHYSICAL ALLOCATION MODEL

Mobile App Tasks		
Mobile UI	Serrano	1 week
Authentication Module	Serrano	1 day
Appointment Approval Module	Serrano	2 days
Notification Module	Serrano	3 days



GANTT CHART



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Legend:

Complete

In progress

Non Working Holidays

Not Started

