

SALARYBOOK

A Report submitted

in partial fulfilment for the Degree of

B.E. in

Computer Science & Engineering

by

Mojidra Yagnik Prakash Bhai

pursued in

Department of Computer Science & Engineering

Faculty of Engineering & Technology

To



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

VADODARA, GUJARAT

NOVEMBER, 2022

CERTIFICATE

This is to certify that the project report entitled **Salary book** submitted by **Mojidra Yagnik Prakash Bhai** to the Department of Computer Science & Engineering, Faculty of Technology & Engineering, in partial fulfilment for the award of the degree of **B.E. in (Computer Science & Engineering)** is a *bona fide* record of project work carried out by him under my supervision. The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Mr. Sunny Kamra

Supervisor

Department of Computer Science
& Engineering

DECLARATION

I declare that this project report titled **Salary Book** submitted in partial fulfilment of the degree of **B.E. in (Computer science & Engineering)** is a record of original work carried out by me under the supervision of **Mr. Sunny Kamra**, and has not formed the basis for the award of any other degree or diploma, in this or any other Institution or University. In keeping with the ethical practice in reporting scientific information, due acknowledgements have been made wherever the findings of others have been cited.

Mojidra Yagnik Prakash Bhai

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ACKNOWLEDGMENTS

I would like to hereby take this opportunity to thank all the people who have been involved generously in helping me and assisting me during the entire period of my Minor Project.

Firstly, I am grateful to the Computer Science and Engineering department at The Maharaja Sayajirao University of Baroda for granting me the opportunity for the Minor Project.

We devote our success in this effort to our project guide Mr Sunny Kamra for giving us the opportunity to undertake the project and providing constant supervision, valuable knowledge and crucial feedback that influenced us and provided opportunity to undertake the project work in the esteemed concern.

Last, but not the least, we would like to extend our profound thanks to all our esteemed colleagues and friends at college level who helped us in the specific areas of this project.

Mojidra Yagnik Prakash Bhai

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ABSTRACT

Salary and Attendance management system will not responsible to calculate salary of employees working within business but it will also able to perform other management activities which is required to perform their accounting operations for a particular business such as maintain attendance of working employees, etc.

Accountant do not have to perform much activities in order to maintain accounting operations with few steps such as automatic Calculate withdraw amount of salary based of Employee attendance.

This system will also provide its admin to get details on list of employees with all business operations.

As each processing work will used different file system and file system will act as central database to maintain data integrity and reduce redundancy.

Thus, system has been embedded with two facilities under one common platform that means salary and attendance management system will able to acts as employee information system and salary management system.

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CHAPTER 1

INTRODUCTION

1.1 Problem Statement

- To keep and manipulate the details of all employees in business.
- To keep record of employee's details and employee's attendance details.
- To keep and manipulate the details of all business.
- To keep record of business's details.
- To help small business to grow their business using this system.
- This system is provided free to use for business owner.
- First we apply this system to grow's our Uncle's Business.

1.2 Objective

The objective of the project is to make a website that is easy to use, convenient to different types of Business owner. To Help small business to grow theirs own's hand. Feel free to contact us for this system inquiry.

CHAPTER 2

DESIGN

This chapter discusses about functionality of SALARYBOOK website and which technologies, libraries and database used to develop SALARYBOOK website.

2.1 Technologies

We have used some latest technologies/frameworks that makes our complex coding part easy to develop our website.

2.1.1 Frontend technologies and libraries

- JavaScript
- HTML
- Bootstrap5
- CSS3
- Free Icons

2.1.2 Backend technologies, libraries, and database

- Django
- Smtplib Mail sender
- MongoDB Database with community version

2.1.3 Other technologies and tools

- VS Code
- GitHub
- Google Mail System

2.2 Functionality

The main features of the web application are:

2.2.1 Home Page

First user shows our home page.

2.2.2 About Page

Then user shows our About Us page.

2.2.3 Term and conditions Page

Then user shows our term and conditions page.

2.2.4 Privacy page

Then user shows our privacy page.

2.2.5 Login/Signup Page.

For access of our dashboard page first user need to login and signup our page.

2.2.6 Otp Verify Page.

For access of our dashboard page first user need to verify the otp page.

2.2.7 Dashboard Page.

After login or Signup user will redirect to Dashboard page.

2.2.8 Profile section.

In profile section user shows their Profile.

2.2.9 Business Details section.

In this section user manage their business details.

2.2.10 Employees Details section.

In this section business owner manage their employees' details.

2.2.11 Employees Attendance Details section.

In this section business owner manage their employees' attendance details.

2.2.12 Employees Salary Details section.

In this section business owner views, their employees' salary details.

CHAPTER 3

IMPLEMENTATION

3.1 Frontend (User Interface)

For frontend of our website, we have used Html, CSS, JavaScript, bootstrap.

Entire frontend is divided into multiple pages like home page, about page, terms and conditions page, privacy policy page, profile page, dashboard page, business details page, Employees details page, Employees attendance page, Employees salary page etc. If any new user comes he/she can sign up website services/functionality. Without credentials user try to access those pages then user will be redirected to home page. If user has credentials, then user can access every page of website.

Home page of website is shown below. From Home page user can redirect to login page if user has credentials otherwise, can redirect to signup page for registering to website.

3.1.1 Home Page

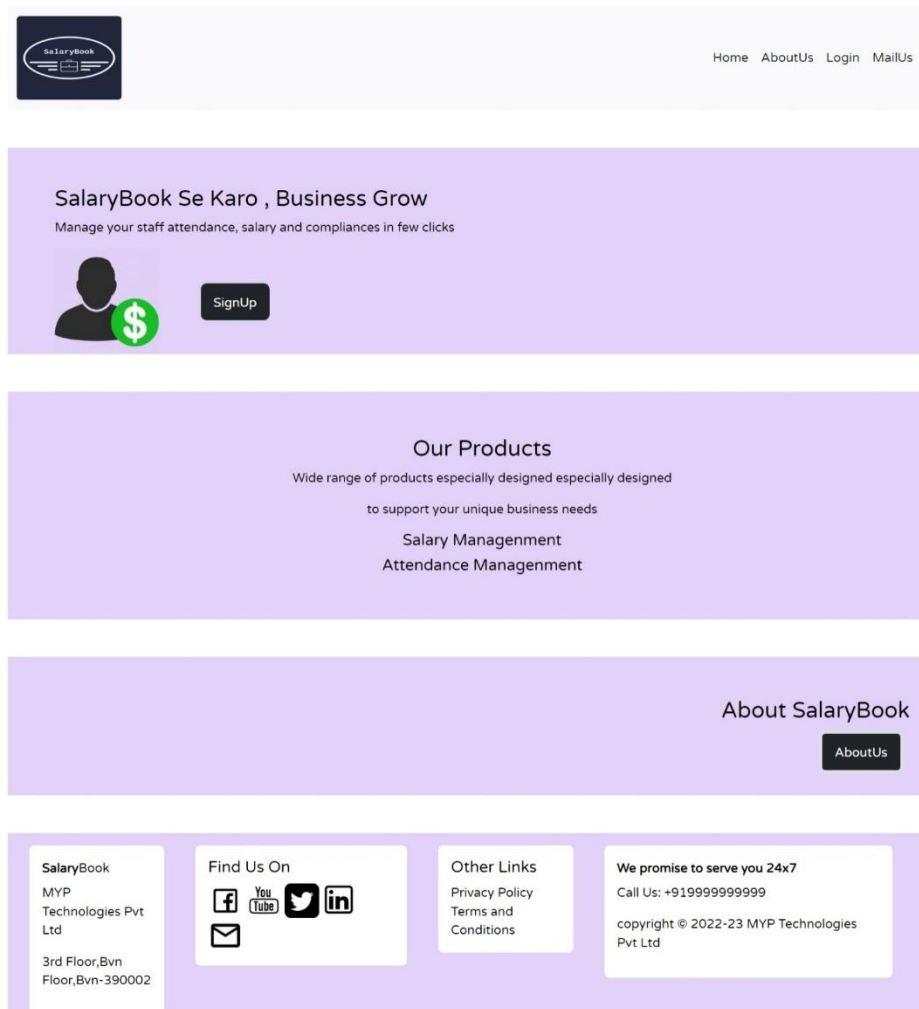


Fig 3.1 Home page

This is Home Page of Salary Book . This is Basic Home Page of Salary Book. And There is many link to Redirect Another Page.

3.1.2 About Us Page

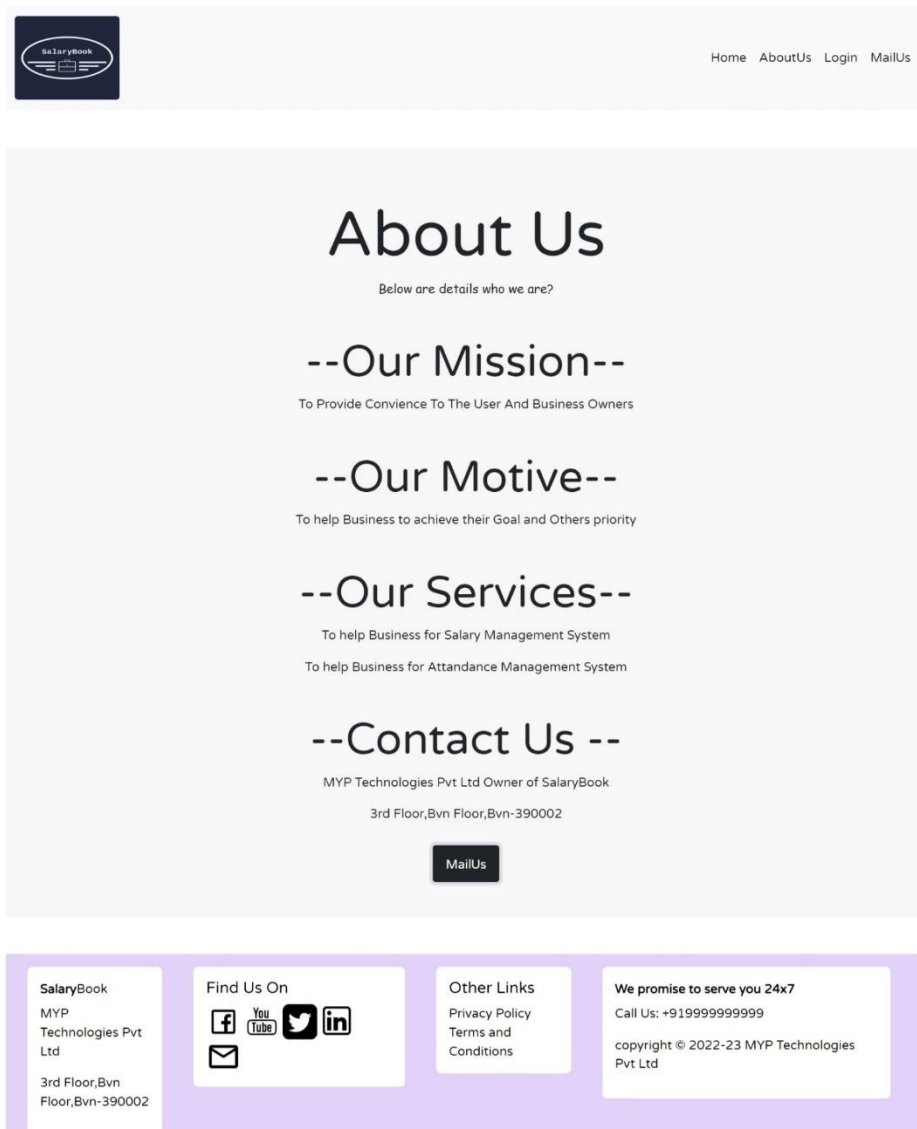



Fig 3.2 About Us Page

This is about page of Salary book .That page Shows about our mission, our Motive, our Services etc.

3.1.3 Terms and Conditions Page



Home AboutUs Login MailUs

Terms & Conditions FOR MYP Technologies Pvt Ltd

MYP Technologies Pvt Ltd ("Company" or "We" or "Us" or "Our"), having its 3rd Floor,Bvn Floor,Bvn-390002, India owns and operates a web/mobile application "Salarybook" available as the websites: (i) The App and Website shall hereinafter together be referred to as the "Site" You (hereinafter collectively referred to as "User(s)" "You"/ "Your") may be accessing our Site from a computer or mobile phone device (through an iOS or Android application, for example) and these Terms of Use govern your use of our Site and your conduct, regardless of the means of access. By using the Site, you confirm that you accept these Terms of Use and that you agree to abide by them.Your use of the services and features of the Site shall be governed by these Terms and Conditions (hereinafter"Terms of Use") along with the Privacy Policy, as modified and amended from time to time. By mere accessing or using the Site, you are acknowledging, without limitation or qualification, to be bound by these Terms of Use and the Privacy Policies, whether you have read the same or not. ACCESSING, BROWSING OR OTHERWISE USING THE SITE INDICATES YOUR UNCONDITIONAL AGREEMENT TO ALL THE TERMS AND CONDITIONS IN THIS AGREEMENT, SO PLEASE READ THIS AGREEMENT CAREFULLY BEFORE PROCEEDING. If you do not agree to any of the terms enumerated in the Terms of Use or the Policies, please do not use the Site. You are responsible to ensure that your access to this Site and material available on or through it are legal in each jurisdiction, in or through which you access or view the site or such material.

REGISTRATION OF USERS

You will need to sign-up with Us by filling the sign-up form by providing your registered mobile number and other requisite information about yourself or your organisation and open a Salarybook account ("Account"). As a registered user, you further agree to update your Personal Information (as defined in the Privacy Policy) if needed and to be solely and entirely responsible for maintaining the confidentiality of your user account, login and password and any activity that may occur through your Account. You must ensure that the information provided by You is correct, complete and not misleading. You should also inform Us promptly of any changes to the information that You have provided, by updating Your details, so we can communicate with You effectively. In the event, the information supplied by You is incorrect, incomplete and misleading, your registration may be cancelled and Your Account may be deactivated.

LIMITATION OF LIABILITY

In no event, SalaryBook or its contractors, agents, licensors, partners or suppliers will be liable to You for direct, indirect, ancillary, special, incidental, consequential, punitive, reliance or exemplary damages. This includes, but is not limited to injury, claim, loss of data, loss of income, loss of profit or loss of opportunity, loss of or damage to property, loss of anticipated profits or any other pecuniary or non-pecuniary loss . goodwill, use, data, other intangible, or damage of any nature whatsoever loss (even if SalaryBook has been advised of the possibility of such damages), arising out of or relating to: (i) this Agreement or any other policies of the Website; (ii) the Services, the Website or any reference site/app/Site/service; or (iii) Your use or inability to use the Services, the Website(including any and all materials) or any reference sites/app/Site/service, even if we or our authorized representative has been advised of the possibility of such damages or (iv) any other interactions with SalaryBook.

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These Terms of Use shall be governed by and construed in accordance with the laws of India. The parties subject themselves to the exclusive jurisdiction of the courts at Bengaluru, India.

DISPUTE RESOLUTION

Any dispute in respect of all or any of the provisions of these Terms of Use shall be resolved amicably within 15 (fifteen) days of notifying the same to the other party and in the event neither party reaches an agreement, the dispute should be resolved by Arbitration which shall be referred to a Sole Arbitrator in accordance with the provisions of the Arbitration and Conciliation Act 1996. The place of arbitration shall be Bengaluru, India and the language used shall be English.

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The Terms of Use and the Privacy Policy represent the entire agreement between You and Us in relation to the use of Our Site and shall supersede any prior agreement, understanding or arrangement between Us, whether oral or in writing. Further, You acknowledge and agree that, You have not relied on any representation, undertaking, promise or implied any warranty, whether conveyed orally or in writing, except as expressly stated herein.

CHANGE IN TERMS OF USE

We reserve the right to change these Terms of Use at any time. You are expected to check and get acquainted with these Terms of Use from time to time.

WAIVER

No delay in enforcing any provision of the Terms of Use will be construed to be a waiver of any rights under that provision by Us.

ASSIGNMENT

You shall not assign any of Your rights or obligations under these Terms of Use without Our prior written consent.

SEVERABILITY

If any provision of these Terms of Use is held by a court of competent jurisdiction to be void, invalid, unenforceable or illegal, the remaining provisions shall remain in full force and effect.





I hereby agree to these Terms of Use.


SalaryBook

MYP Technologies Pvt Ltd

3rd Floor,Bvn Floor,Bvn-390002

Find Us On



Other Links

Privacy Policy
Terms and Conditions

We promise to serve you 24x7


Call Us: +919999999999

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Fig 3.3 Term and Conditions Page

This is Term and Conditions Page about Salary Book. There is conditions about to use Salary Book web App.

3.1.4 Privacy Policy Page



Home AboutUs Login MailUs

PRIVACY POLICY FOR MYP Technologies Pvt Ltd

INTRODUCTION

When you access the Platform you accept, without limitation or qualification, the Privacy Policy set forth below and any additional terms of use set forth in the Platform. We reserve the right to modify or update this Privacy Policy at any time and changes will become effective immediately upon posting. You are requested to check for updates to the Privacy Policy periodically.

SCOPE OF POLICY

This policy together with our Terms of Use applies to your use of:

Any of the services accessible through the ("Services") those are available on the Site or other sites of ours ("Services Sites").

This policy sets out the basis on which any personal data we collect from you, or that you provide to us, will be processed by us.

CONSENT

By affirming your assent to this Privacy Policy, you provide your consent to such collection, use, storage, processing and disclosure as set out in this Privacy Policy and the Terms and Conditions. The information received by the Site will not be shared with any third party or third party service providers for the purposes of advertising or marketing. SalaryBook will only be using the information for providing Services to you.

By accessing our services, you agree to this privacy policy. This document supersedes any prior communication on this topic and reflects the entire and exclusive policy for this service.

INFORMATION WE OBTAIN

We obtain the following forms of information from you:

1. Information about services received/rendered on the Platform.
2. KYC Documents.
3. Beneficiary account details
4. We require the camera information permission to provide you an easy/smooth experience and to enable you to click photos of your KYC documents along with other requisite documents and upload the same on the App during your loan application journey.

De-identified and Non-Personally Identifiable Information

We automatically track certain information about you based upon your behaviour on our Platform. We use this information to do internal research on our users' demographics, interests, and behaviour to better understand, protect and serve our users and improve our services. This information is compiled and analysed on an aggregated basis. We also collect your Internet Protocol (IP) address and the URL used by you to connect your computer to the Internet, etc. This information may include the URL that you just came from (whether this URL is on our Website or not), which URL you next go to (whether this URL is on our Website or not), your computer browser information, and your IP address. Cookies are small data files that a Website stores on your computer. We will use cookies on our Website similar to other lending websites / apps and online marketplace websites / apps. Use of this information helps Us identify You in order to make our Website more user friendly. Most browsers will permit You to decline cookies but if You choose to do this it might affect service on some parts of Our Website. If you choose to make a purchase through the Platform, we collect information about your buying behaviour. We retain this information as necessary to resolve disputes, provide customer support and troubleshoot problems as permitted by law. If you send us personal correspondence, such as emails or letters, or if other users or third parties send us correspondence about your activities or postings on the Website, we collect such information into a file specific to you.

We may de-identify personal information that we have collected from you through the Platform and combine it with de-identified information about other users, information from third parties, and/or publicly available information.

USES MADE OF THE COLLECTED INFORMATION

We may associate any category of information with any other category of information and will treat the combined information as personal data in accordance with this policy for as long as it is combined. We store the information collected from the Platform, which is used mainly to enhance the end user experience. The information is processed and analyzed by automated means to offer a variety of features that you get from using the Platform. The information will be used for advanced analytics to offer additional insightful features in future. We may also anonymise (de-personalize) your information we collect and combine it with other information sources for the purpose of advanced analytics and future use cases.

USE OF COOKIES

Some pages on the Platform use "cookies," which are small files that the Platform places on your hard drive for identification purposes. These files are used for Platform registration and customization the next time you visit us. Your web browser may allow you to be notified when you are receiving a cookie, giving you the choice to accept it or not. By not accepting cookies, some pages may not fully function, and you may not be able to access certain information on this Website.

SECURITY OF DATA

We and our partners maintain commercially reasonable measures to maintain information security and prevent it from unauthorized access. However, no security is fool-proof and in case we become aware of any breach of security of your information, we will notify you using the mobile number that we have. If you do not agree to the terms discussed above, you should exit our Platform or stop using the same. When you access our Platform, you acknowledge that you have read and agreed to abide by the terms described above.

LINK TO THIRD PARTY WEBSITES

Our Platform may contain links to third party websites/apps, which are not under our control. We have no responsibility or liability for and we make no representations whatsoever about any other website that you may have access to through our Platform. These linked sites are only for your convenience, and therefore, you access them at your own risk. The inclusion of such links does not imply that we endorse or accept any responsibility for the content or uses of such websites.






FORCE MAJEURE

Notwithstanding anything contained in this Privacy Policy or elsewhere, we shall not be held responsible for any loss, damage or misuse of your user information, if such loss, damage or misuse is attributable to a Force Majeure Event. "Force Majeure Event" shall mean any event that is beyond our reasonable control and shall include without limitation, sabotage, fire, flood, explosion, acts of God, civil commotion, strikes or industrial action of any kind, riots, insurrection, war, acts of government, network errors, computer hacking, technical snags, unauthorized access to computer data and storage device, breach of security and encryption and any other like event beyond our control.

CHANGE IN PRIVACY POLICY

We reserve the right to update, modify and amend any of the terms of our Privacy Policy, at any time without prior intimation to you. We shall not be liable for any failure or negligence on your part to review the updated Privacy Policy before accessing or using the Platform. Your continued use of the Platform, following changes to the Privacy Policy, will constitute your acceptance of those changes.

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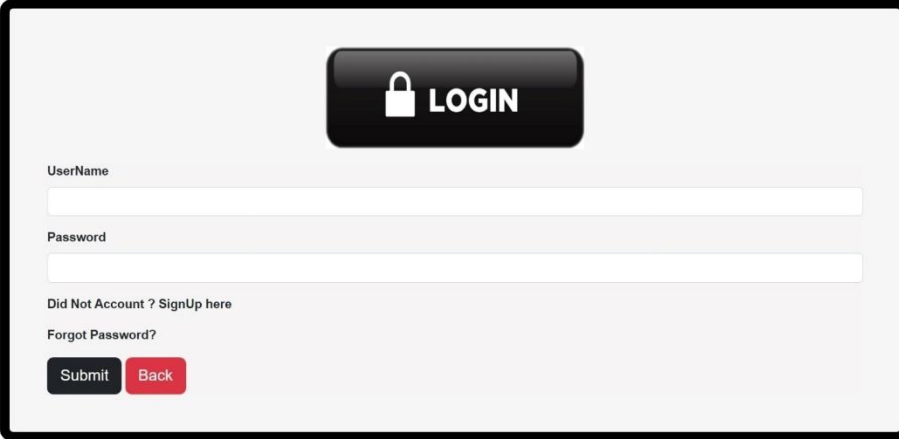
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Privacy Policy
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Fig 3.4 Privacy Policy Page

That page shows about Privacy Policy Of Salary book.

3.1.5 Login Page



The image shows a login page with a light gray background. At the top center, there is a black button with a white padlock icon and the word "LOGIN" in white capital letters. Below this, there are two input fields: the first is labeled "UserName" and the second is labeled "Password". Below the password field, there is a link that says "Did Not Account ? SignUp here". Below that, there is a link that says "Forgot Password?". At the bottom, there are two buttons: a black "Submit" button and a red "Back" button.

Fig 3.5 Login Page

That page is login page of Salary Book web applications. There is username and password field for using Salary Book Web Applications. If user has no username and password then user first register the Salary Book Web Applications .If user forgot their password then user will be able to change their password using forgot password facility with mail system.

3.1.6 Signup Page

SalaryBook

Home AboutUs Login MailUs

SIGN UP

First Name

Last Name

UserName

Email Address

We'll never share your email with anyone else.

Password

Your password must be 10-20 characters long, contain letters and numbers, and must not contain spaces, special characters, or emoji.

Confirm Password

Did Already have Account ? So Login here

Submit Back

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Fig 3.6 Signup Page

First User register to our web applications with field is first name ,last name, username, Email address, password and confirm password field. All fields are required . So all the fields required and fill that fields carefully. After signup page user will redirect to the login page.

3.1.7 Otp Verify Page

The image shows a green rectangular form for OTP verification. At the top left of the form, the text "Otp Verification" is displayed in a large, white, sans-serif font. Below this title, the instruction "Please Enter Otp Below:" is written in a smaller, white, sans-serif font. Underneath the instruction is a long, white, rectangular input field. At the bottom left of the form, there is a dark green button with the word "Submit" written in white, sans-serif font.

Fig 3.7 Otp Verify Page

After successfully login user will redirect to the otp verify page. User receive 8 digits otp on the their registered email id. After User add otp Success fully then user will be to redirect to the Dashboard Page.

3.1.8 Dashboard Page

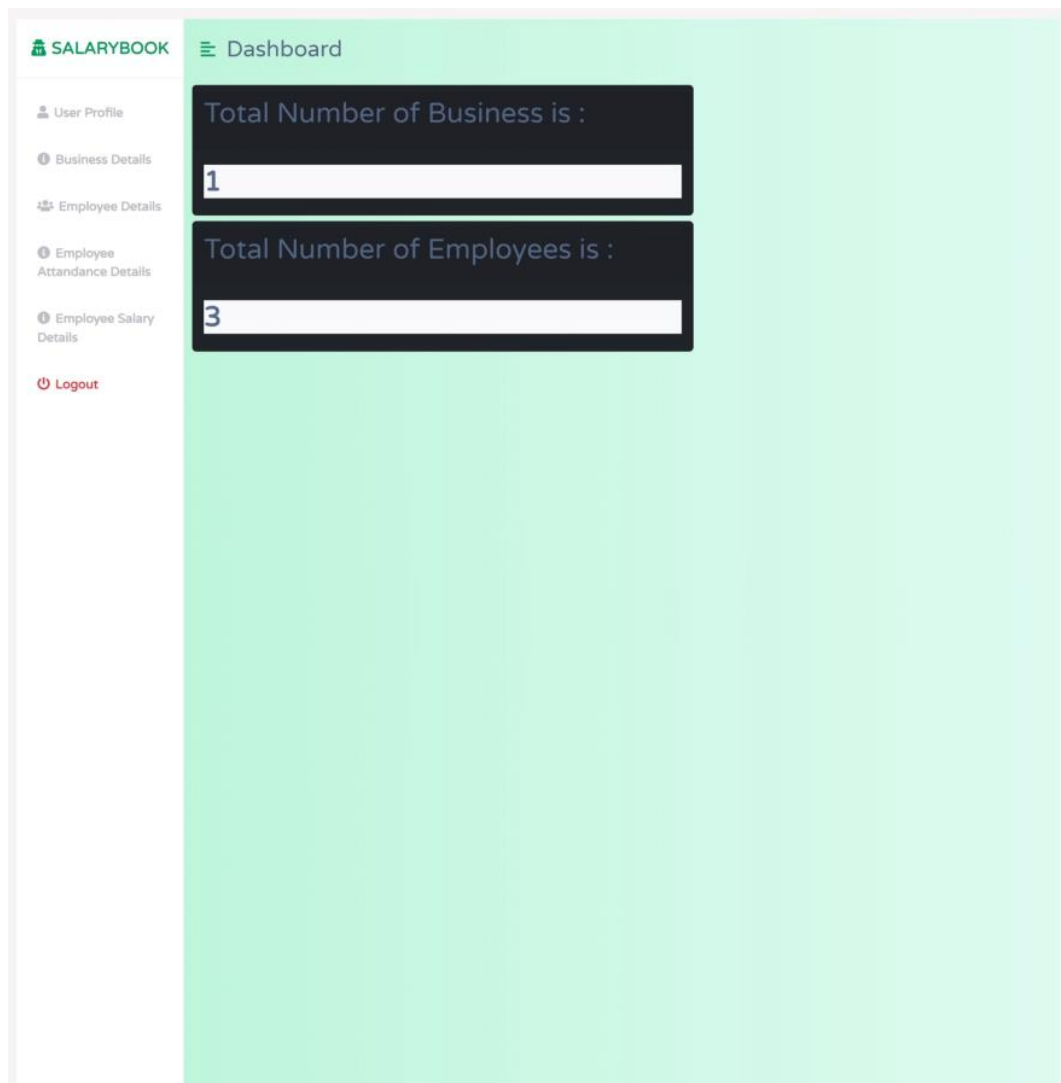


Fig 3.8 Dashboard Page

After successfully login user will redirect to the dashboard page and user is manage all the details show as above. In dashboard page user will see total number of business and total numbers of employees.

3.1.9 Profile Page

The screenshot shows the 'Profile Details' page of the 'SALARYBOOK' application. The page has a light green header with the application name and a 'Dashboard' link. A sidebar on the left contains navigation links: 'User Profile', 'Business Details', 'Employee Details', 'Employee Attendance Details', 'Employee Salary Details', and 'Logout'. The main content area is titled 'Profile Details' and displays the following information:

User Name	--yagnik123--
First Name	--yagnik--
Last Name	--mojidra--
Email	--mojidrayagnik@gmail.com--

At the bottom of the profile details section, there are two buttons: 'Change Profile Details' (green) and 'Back' (red).

Fig 3.9 Profile Page

When user is click profile detail section user see their profile details. In this page user is change user profile using change profile details button. When user is click that button that time open the change profile form and user is able to change their profile page. That page is about of user profile .

3.1.10 Business Details Page

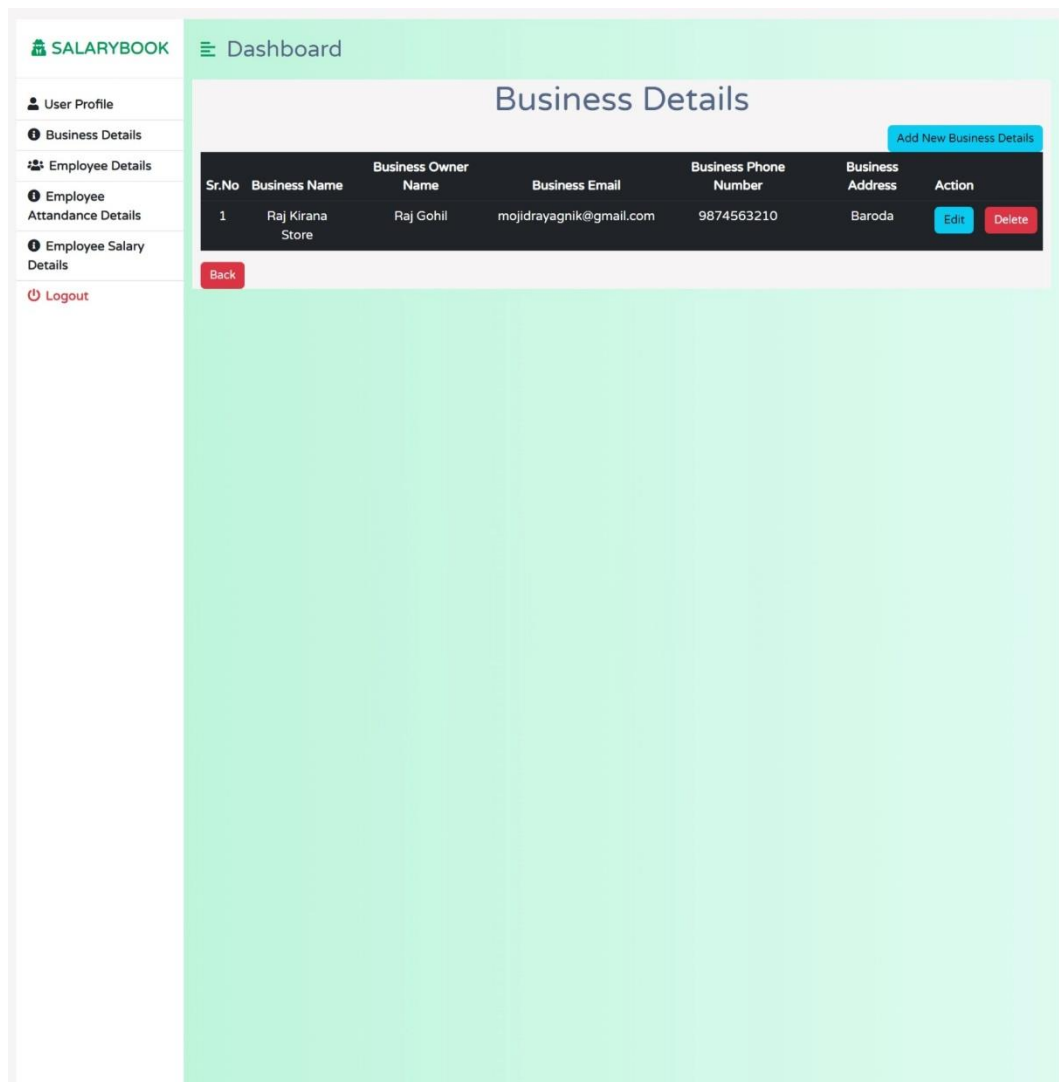


Fig 3.10 Business Details Page

That page is about to Business details page. There is option has Add new Business details, Edit and Delete Button .When User is Click on the Add new business Details Button at a time add business details page is open add user will be able to add their business details. When user is click on the edit button at a time a edit business details page is open and user is able to edit their business details. When user is click on the delete that time that records will be deleted.

3.1.11 Employees Details Page

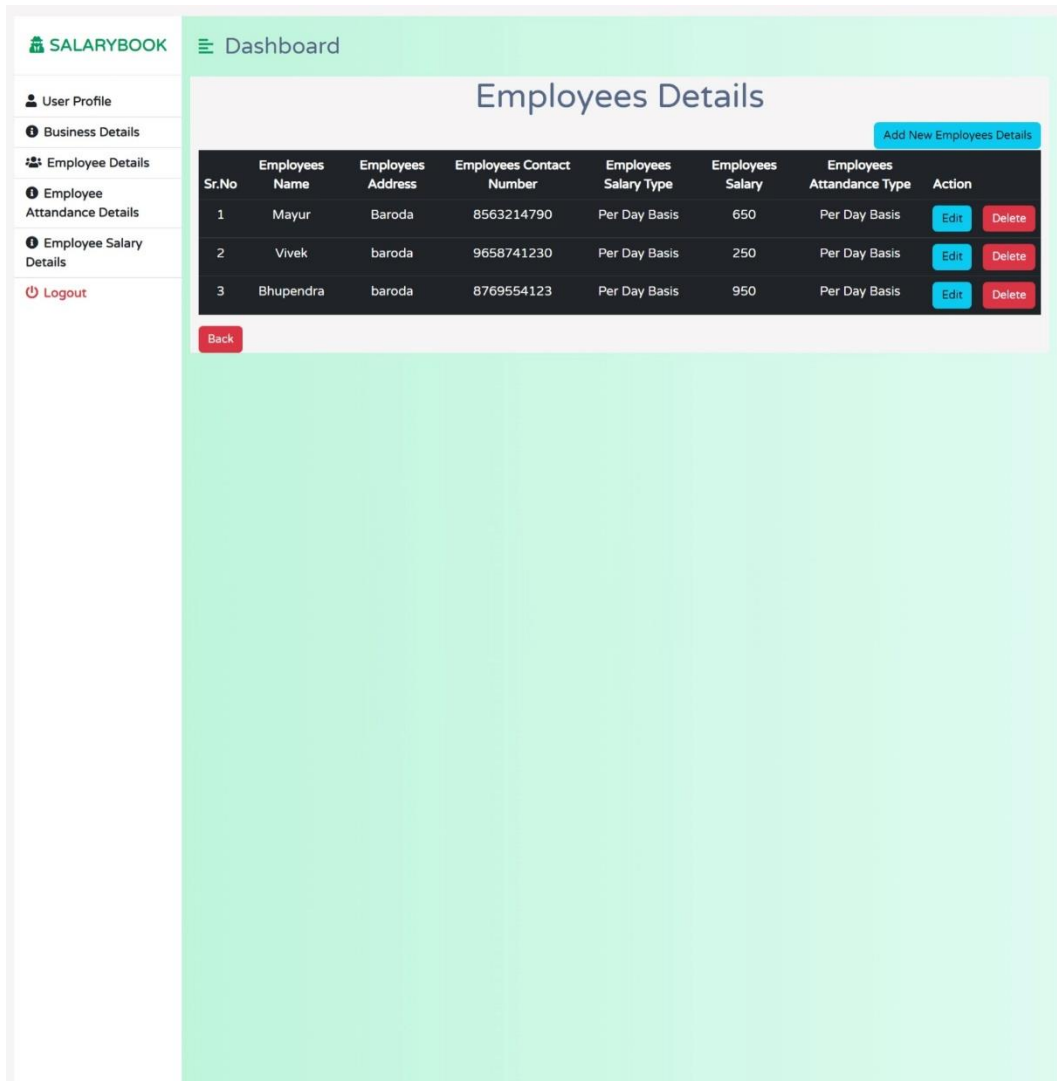


Fig 3.11 Employees Details Page

That page is about to Employees details page. There is option has Add new Employees details, Edit and Delete Button .When User is Click on the Add new Employees Details Button at a time add Employees details page is open add user will be able to add their Employees details. When user is click on the edit button at a time a edit Employees details page is open and user is able to edit their Employees details. When user is click on the delete that time that records will be deleted.

3.1.12 Employees Attendance Details Page

The screenshot shows the 'Employees Attendance Details' page within the 'SALARYBOOK' application. The left sidebar contains a menu with options: User Profile, Business Details, Employee Details, Employee Attendance Details (selected), Employee Salary Details, and Logout. The main content area has a header 'Employees Attendance Details' and a button 'Add Employees Attendance'. Below this is a table with the following data:

Sr.No	Employees Name	Date	Withdraw Amount	Status	Action
1	Mayur	Nov. 17, 2022	100	Present	Edit Delete
2	Bhupendra	Nov. 17, 2022	150	Present	Edit Delete
3	Vivek	Nov. 16, 2022	100	Present	Edit Delete
4	Vivek	Nov. 18, 2022	600	Half Present	Edit Delete

Below the table is a 'Back' button.

Fig 3.12 Employees Attendance Details Page

That page is about to Employees Attendance Details page. There is option has Add new Employees Attendance details, Edit and Delete Button .When User is Click on the Add new Employees Attendance Details Button at a time add Employees Attendance details page is open add user will be able to add their Employees Attendance details. When user is click on the edit button at a time a edit Employees Attendance details page is open and user is able to edit their Employees Attendance details. When user is click on the delete that time that records will be deleted.

3.1.13 Employees Salary Details Page

Sr.No	Employees Name	Employees Per Day Salary	Total Withdraw Amount	Total Attendance	Total Salary Amount	Net Salary Amount
1	Mayur	650	600	1.5	975.0	375.0
2	Vivek	350	300	1.5	525.0	225.0
3	Bhupendra	950	150	1	950	800

Fig 3.13 Employees Salary Details Page

That page is about to Employees Salary Details page. There is only views options then user only shows employees salary details.

3.2 Backend

3.2.1 Database MongoDB

- **MongoDB Atlas Community Version:**

The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries, secondary indexing, and real-time aggregations to provide powerful ways to access and analyze your data.

The database is also offered as a fully-managed service with [MongoDB Atlas](#).

Get access to advanced functionality such as auto-scaling, serverless instances (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

- There is list we uses this type of models in the mongo DB database:

User Models → Store user info about all user information.

Business Models → Store Business info about all the business information.

Employees Models → Store Employees info about all the employees information.

Employees Attendance Models → Store Employees attendance details of all 0the employees.

- User Models:

Id	By default this incremented by 1
Password	Password in Encrepted
last_login	Date and time show
is_supername	Means admin access are there or not
Username	This is username

first_name	First name of user
last_name	Last name of the user
Email	Email of the user
is_staff	True and false
is_active	True and false
date_joined	Date and time show

- Business Models:

Id	This is id incremented by 1
business_name	Name of the business
business_address	Name of the business address
business_mail	Mail of the business
business_owner_name	Business owner name
Business_mobile_number	Business mobile number

- Employees Models:

Id	This is id incremented by 1
Employee_name	Employee name field
Employee_contact_number	Employee contact number
Employee_address	Employee address
Employee_salary	Employee Salary
Employee_salary_type	Employee Salary type(Per Day basis)
Employee_attendance_type	Employee Attendance type

- Employees Attendance Models:

Id	Id incremented by 1
Employee_name	Employee name as the foreign key
Withdraw amount	Employee Withdraw Amount
Attendance_date	Date of attendance of employee
Date_updated	Date
Types	Present Absent Half Present

3.2.2 Django

- Django is a Python framework that makes it easier to create web sites using Python.
- Django takes care of the difficult stuff so that you can concentrate on building your web applications.
- Django emphasizes reusability of components, also referred to as DRY (Don't Repeat Yourself), and comes with ready-to-use features like login system, database connection and CRUD operations (Create Read Update Delete).
- For more details reference this site: <https://docs.djangoproject.com/en/4.1/ref/>

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