

OFFICE-BOARD MANAGEMENT SYSTEM

Team:

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ABSTRACT:

Office-Board Management System titled as “The Office” is a website for Employees of an organization which allows them to better plan and manage work hours and increasing productivity. The goal of the “Office-Board Management System” is to secure and manage information that is important to the employees work-related information.

A user can use,

- Message Board for sharing important messages with the team member
- Task Board for keeping track of the tasks
- And can comment on the tasks.

FEATURES:

- Dashboard - shows the count of messages, tasks and comments for the day, for the month and for the year
- Login page - user login form
- Register page - user registration form
 - [After Login]:
- Profile – view and edit own profile information. View other users’ information.
- Messages –

Message Board: messages with search bar and load more bar.
Create messages with title and content.
Edit or Delete messages.

- Tasks –
Task Board: all tasks in three columns - to do, doing and done.
Create tasks with title and description.
Edit or delete own tasks.
View task's details with comments.

- Comments –
Shown in task's details page.
Create comments for existing tasks.
Edit or delete own comments.

SYSTEM ANALYSIS:

Software Specifications:

FRONT-END	MVC C#
BACK-END	ASP.Net Core SwaggerUI
DATABASE	MS SQL Server

Pre-requisites:

- Microsoft Visual Studio
- Microsoft SQL Server Express

HOW TO RUN:

1- Install the following:

- Microsoft Visual Studio
- Microsoft SQL Server Express

2- Open SQL Server Management Studio and in the "Connect to Database Engine" window copy the Server name and update the Data Source in the SqlConnectionString.

3- Update the database through the Package Manager Console.

4- Start the API Project by viewing it in on any browser without running it on IIS Express.

5- Everything is setup now! You can run the project by making the MVC project as startup project and click run button named IIS Express.

PROPOSED SYSTEM:

The main goal of the project is to create a platform which offers secure and easy management of all the employee's information.

Office Board is a system which manages all the employee's information i.e profile details, Tasks, Messages and comments.

Office Board "The Office" has components - Dashboard, Register and Login Page, Task Board, Message Board.

Dashboard: The Dashboard shows the count of all the tasks, messages and comments of each day, monthly and yearly user.

Register and Login Page: The Register Page is used for a new user for the registration. Once the Registration is completed the user can login into their new account. After Successful login the user can access the other features such as task board and message board.

Task Board: The user creates a task using Create Tasks. The Task Board consist of all the task details of the user. A task can be divided into three sections based on the task status i.e. To-do, Doing and Done. It also has a title and description of task with created on date and author name.

The Task Board has comment component too which shows all the comments of a task with count of comment on each task.

Message Board: The User creates the messages using Create Message. All the messages can be viewed through Message Board with all the messages details as title and content of the message, created on and author name.

Data-Base Design:

→ - primary key

FK – Foreign Key

Table: Profile

FIELD	DATA-TYPE	CONSTRAINTS
→id	int	Not null
name	Varchar(max)	null
position	Varchar(max)	null
department	Varchar(max)	null
userName	Varchar (50)	null
email	Varchar(max)	null
password	Varchar(max)	null

Table: Comments

FIELD	DATA-TYPE	CONSTRAINTS
→id	int	Not null
content	Varchar (1000)	Not null
createdOn	datetime	Not null
taskId [FK]	int	Not null
profileId [FK]	int	Not null
TaskBoardid [FK]	int	Not null

Table: Messages

FIELD	DATA-TYPE	CONSTRAINTS
→id	int	Not null
title	Varchar (50)	Not null
createdOn	datetime	Not null
content	Varchar (500)	Not null
pId [FK]	int	Not null

Table: Tasks

FIELD	DATA-TYPE	CONSTRAINTS
id	int	Not null
title	Varchar (50)	Not null
description	Varchar(max)	Not null
status	int	Not null
createdOn	datetime	Not null
profileId [FK]	int	Not null

Table: TaskBoards

FIELD	DATA-TYPE	CONSTRAINTS
id	int	Not null
taskId [FK]	int	null
comment	Varchar(max)	Not null
countMessage	int	Not null
commentsid [FK]	int	null

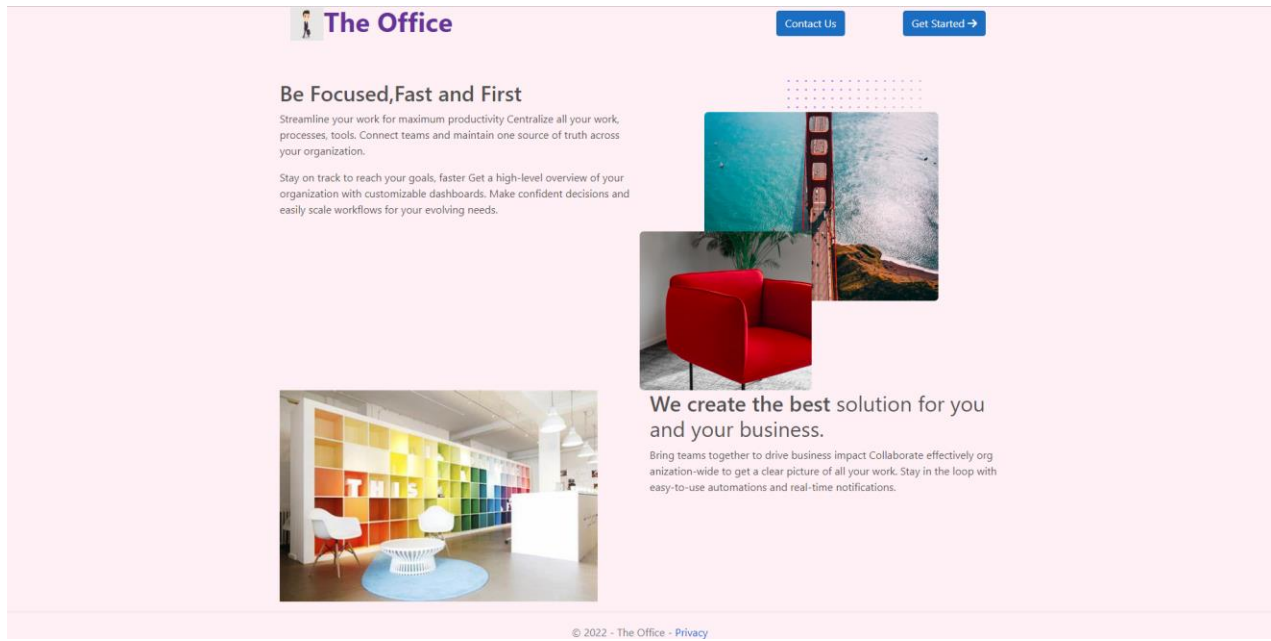
Table: dashBoards

FIELD	DATA-TYPE	CONSTRAINTS
id	int	Not null
getTodayMessage	int	Not null
getMonthMessage	int	Not null
getYearMessage	int	Not null
getTodayTask	int	Not null
getMonthTask	int	Not null
getYearTask	int	Not null
getTodayComment	int	Not null
getMonthComment	int	Not null
getYearComment	int	Not null

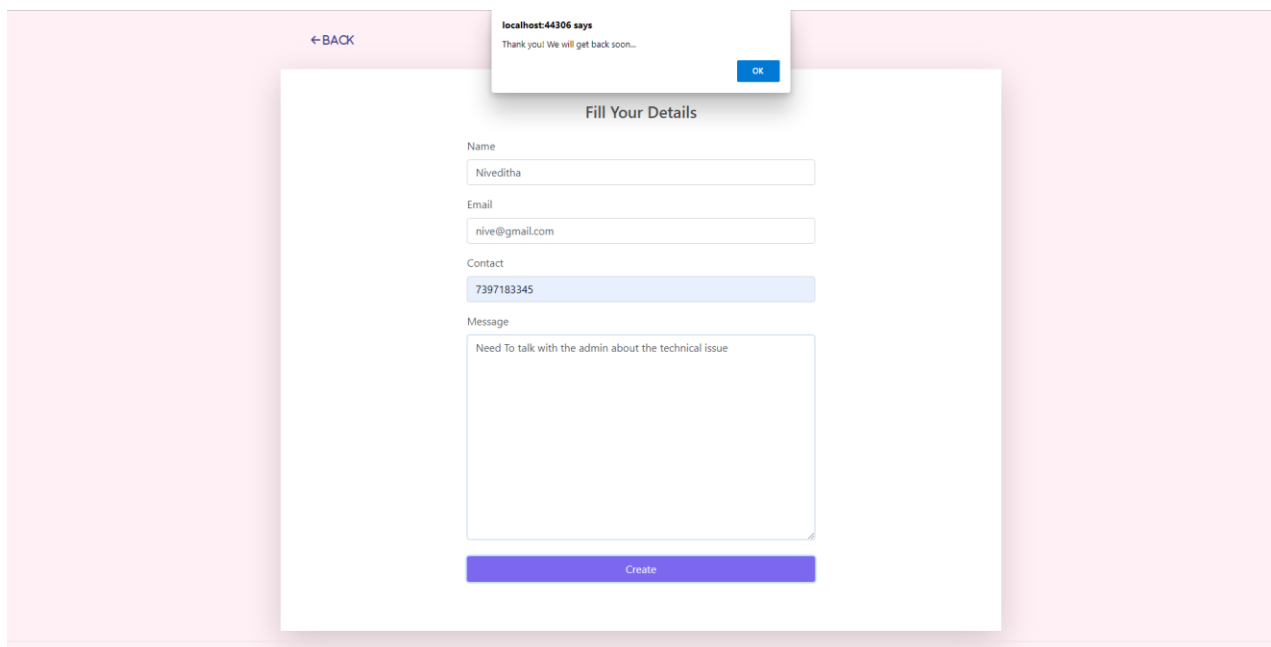
Class Diagram:

Functionalities Implemented [User Stories]:

Home Page

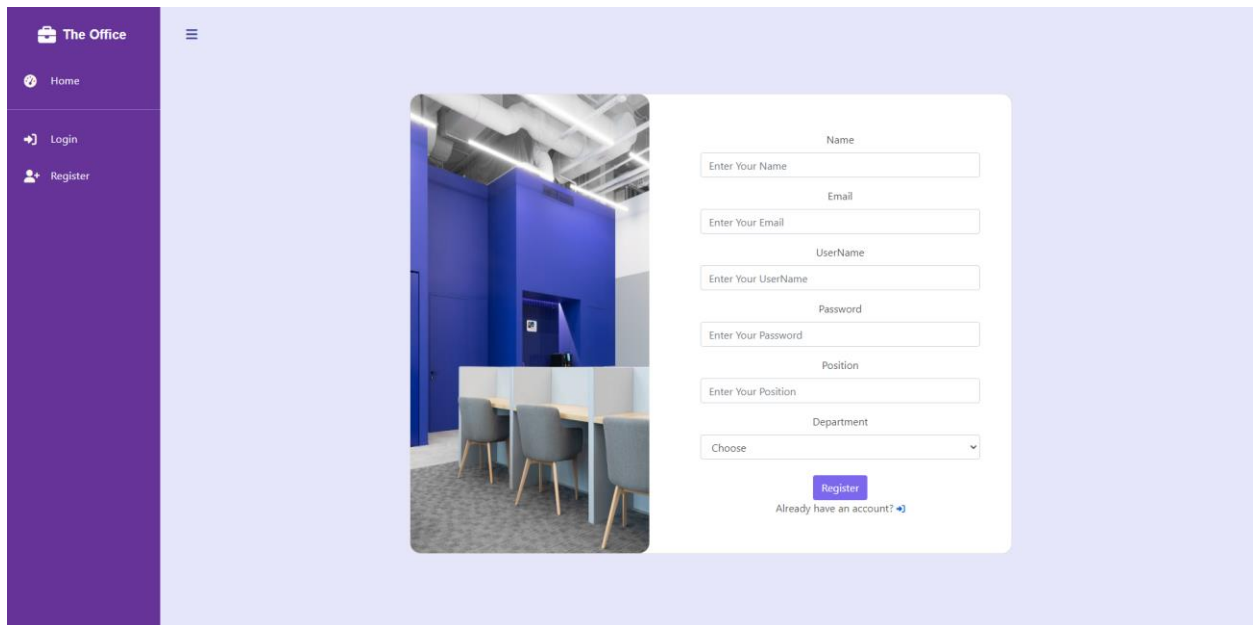


Contact Us



Register Page

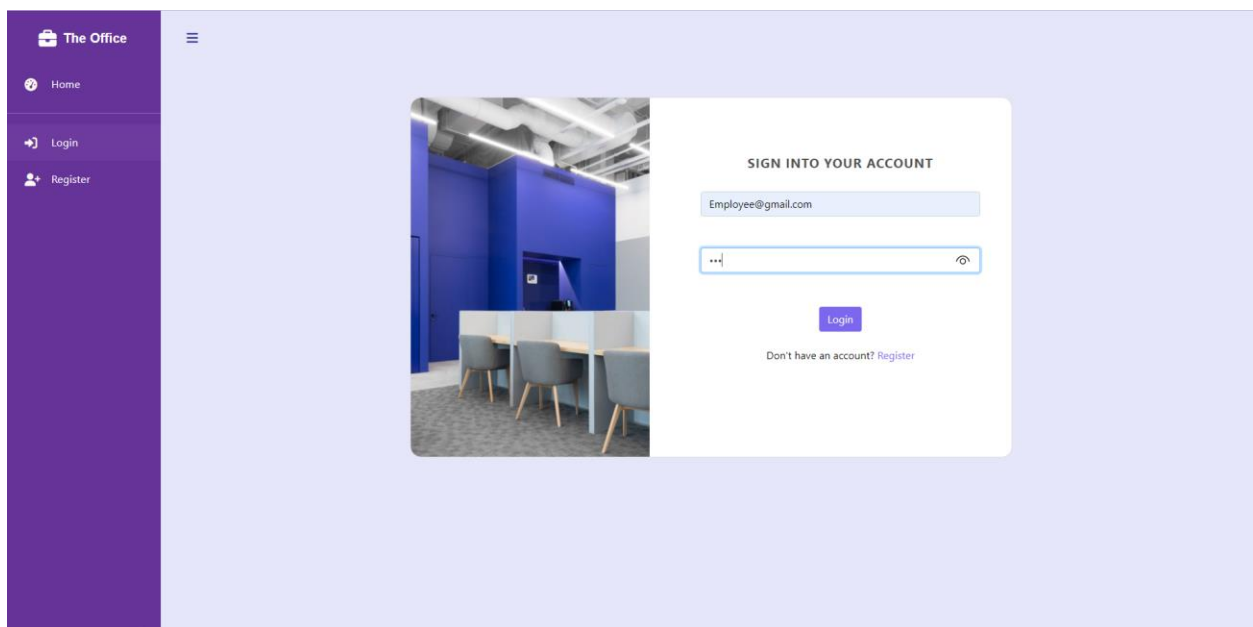
The Register Page is used for a new user for the registration.



The screenshot shows the 'Register' page of 'The Office' system. On the left is a purple sidebar with a menu containing 'Home', 'Login', and 'Register'. The main content area has a light blue background. On the left side of this area is a vertical image of a modern office interior with blue walls and grey chairs. On the right is a white registration form with the following fields: 'Name' (with placeholder 'Enter Your Name'), 'Email' (with placeholder 'Enter Your Email'), 'UserName' (with placeholder 'Enter Your UserName'), 'Password' (with placeholder 'Enter Your Password'), 'Position' (with placeholder 'Enter Your Position'), and 'Department' (a dropdown menu with 'Choose' selected). Below these fields is a purple 'Register' button and a link that says 'Already have an account? Login'. The top of the page has a header with 'The Office' logo and a hamburger menu icon.

Login Page

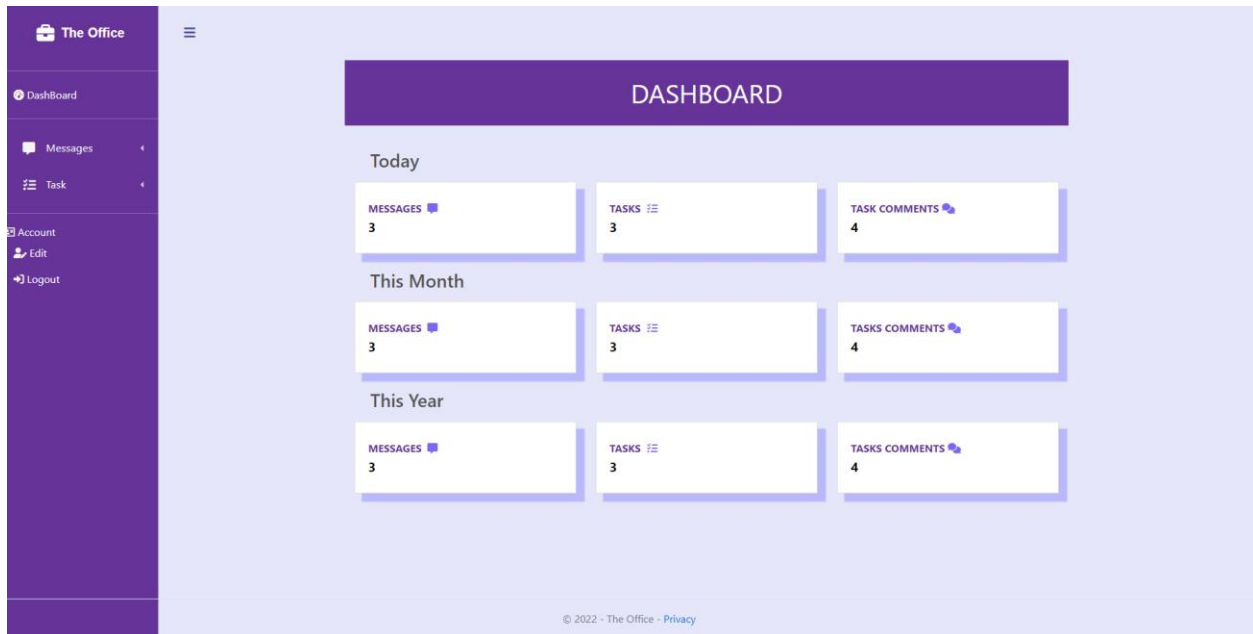
Once the Registration is completed the user can login into their new account.



The screenshot shows the 'Login' page of 'The Office' system. The layout is identical to the Register page, with a purple sidebar and a light blue main area. The vertical office image is on the left. On the right is a white login form titled 'SIGN INTO YOUR ACCOUNT'. It contains an email input field with 'Employee@gmail.com' entered, and a password input field with a placeholder '...' and a toggle icon. Below the fields is a purple 'Login' button and a link that says 'Don't have an account? Register'. The top of the page has a header with 'The Office' logo and a hamburger menu icon.

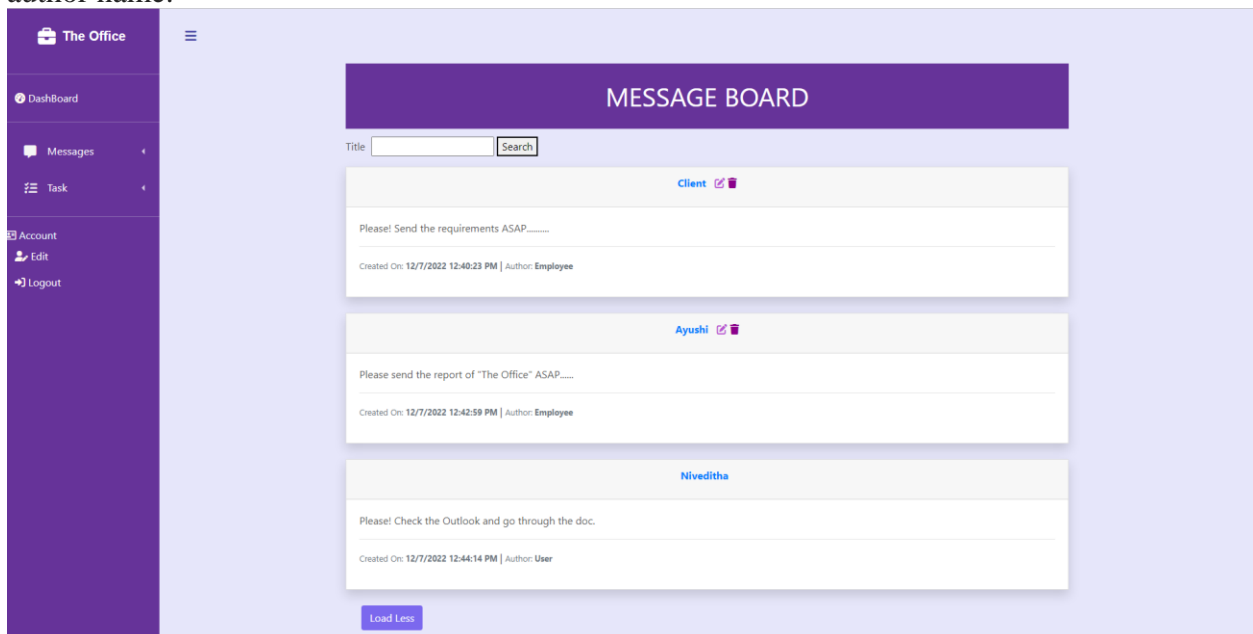
Dashboard

The Dashboard shows the count of all the tasks, messages and comments of each day, monthly and yearly user.



Message Board

The User creates the messages using Create Message. All the messages can be viewed through Message Board with all the messages details as title and content of the message, created on and author name.



Create Message

The screenshot shows the 'Create New Message' form within the Office-Board Management System. The form is centered on a light purple background. On the left, there is a dark purple sidebar with navigation links: 'The Office' (with a briefcase icon), 'Dashboard' (with a dashboard icon), 'Messages' (with a speech bubble icon), 'Task' (with a list icon), 'Account' (with a user icon), 'Edit' (with a pencil icon), and 'Logout' (with a door icon). The form itself has a title 'Create New Message' and two input fields: 'Title' with the value 'Client' and 'Content' with the value 'Please! Send the Requirements for the Projects ASAP...'. Below the form are two buttons: 'Create' (blue) and 'Cancel' (red). A green notification bar at the bottom of the form area says 'Message details saved sucessfully!!'. At the very bottom of the page, there is a footer that reads '© 2022 - The Office - Privacy'.

Task Board

The Task Board consist of all the task details of the user. A task can be divided into three sections based on the task status i.e. To-do, Doing and Done.

The screenshot displays the 'TASK BOARD' interface. The board is divided into three columns: 'TO DO' (blue header), 'DOING' (yellow header), and 'DONE' (green header). Each column contains task cards. The 'TO DO' column has two cards: 'Login Page' (Created On: 12/8/2022 2:55:36 PM, Created By: Emp) and 'Requirements' (Created On: 12/14/2022 10:24:43 AM, Created By: Emp). The 'DOING' column has two cards: 'Client' (Created On: 12/14/2022 10:24:02 AM, Created By: Emp) and 'Sprint2' (Created On: 12/14/2022 10:27:03 AM, Created By: User). The 'DONE' column has two cards: 'Sprint1' (Created On: 12/14/2022 10:25:44 AM, Created By: User) and 'problem Statement' (Created On: 12/14/2022 10:26:24 AM, Created By: User). Each card includes a title, creation details, and a small icon representing the task. The sidebar on the left is identical to the one in the 'Create Message' screenshot.

Create Task

The Office

Dashboard

Messages

Task

Account

Edit

Logout

← BACK

Create New Task

Title

Client

Description

Meeting @10.20

Task Status

Doing

Create

Cancel

Task Details

The Office

Dashboard

Messages

Task

Account

Edit

Logout

TASK DETAILS

Client

Meeting @10.20

Status: Doing

Created On: 12/14/2022 10:24:02 AM | Created By: Emp

Comments: 2

Add Comments: +

Comments:

Okay will be there

Author: User | Created On: 12/14/2022 4:59:47 AM

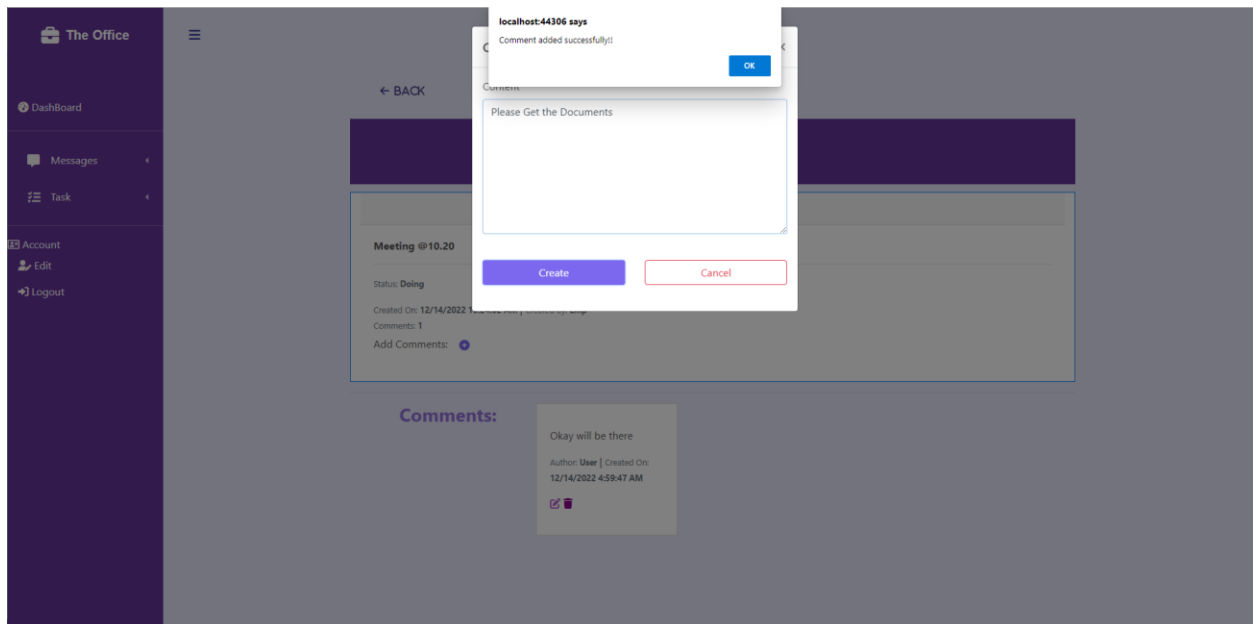
Please get the Documents at the meeting

Author: Emp | Created On: 12/14/2022 5:02:13 AM

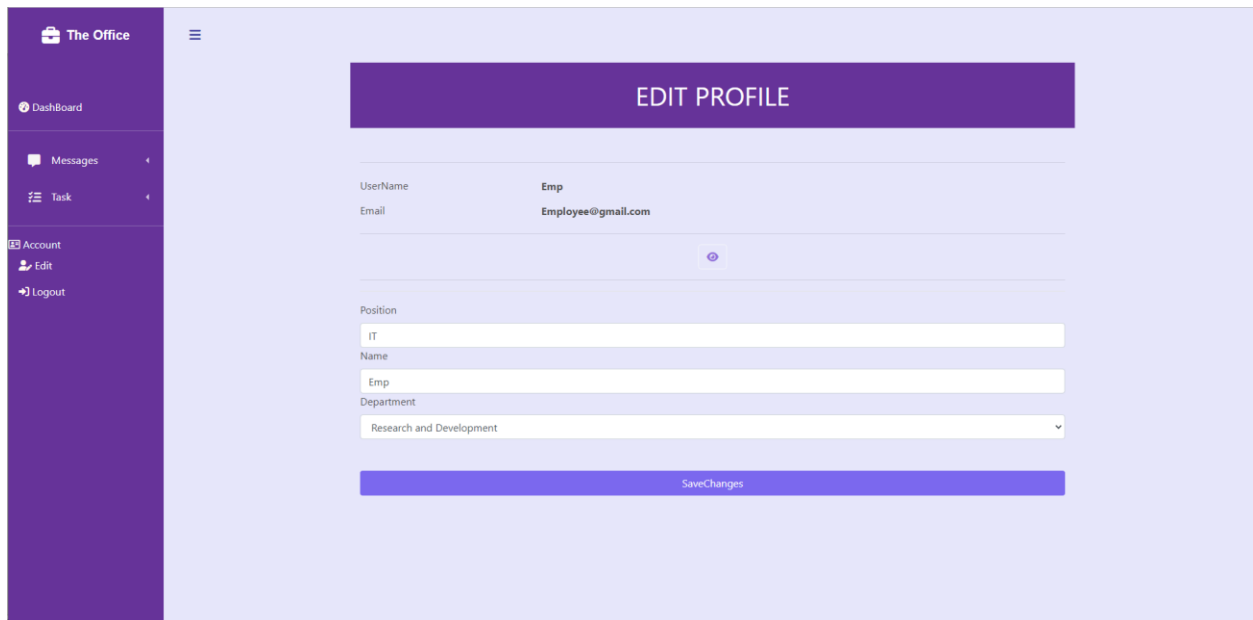
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OFFICE-BOARD MANAGEMENT SYSTEM

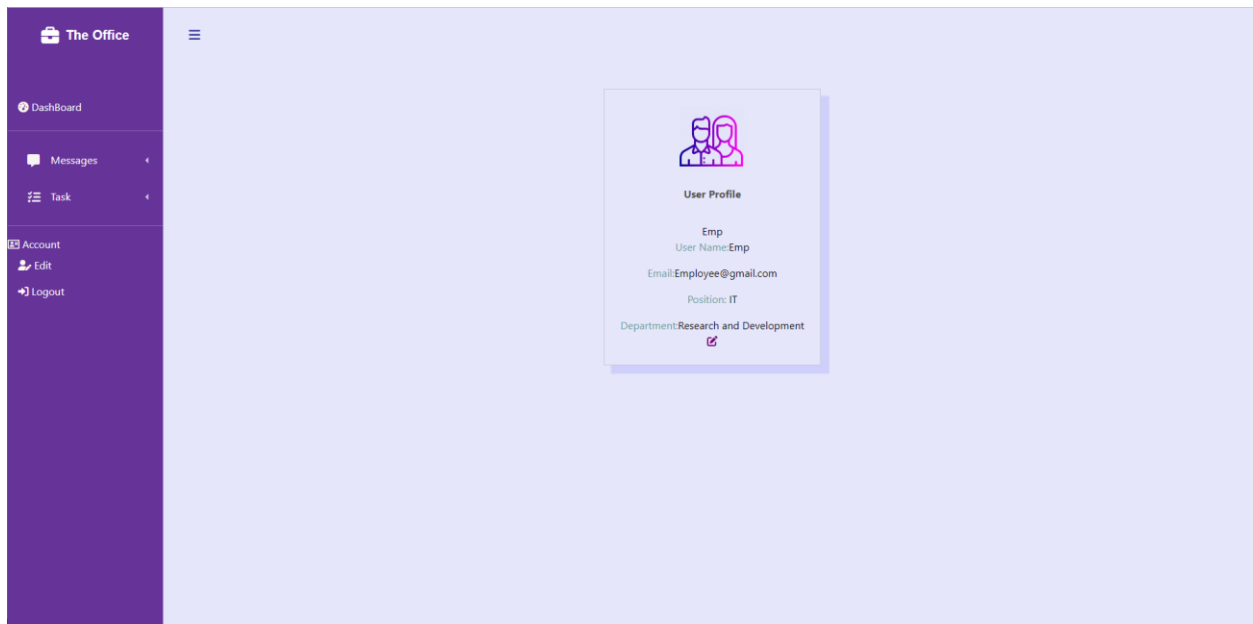
Add Comment



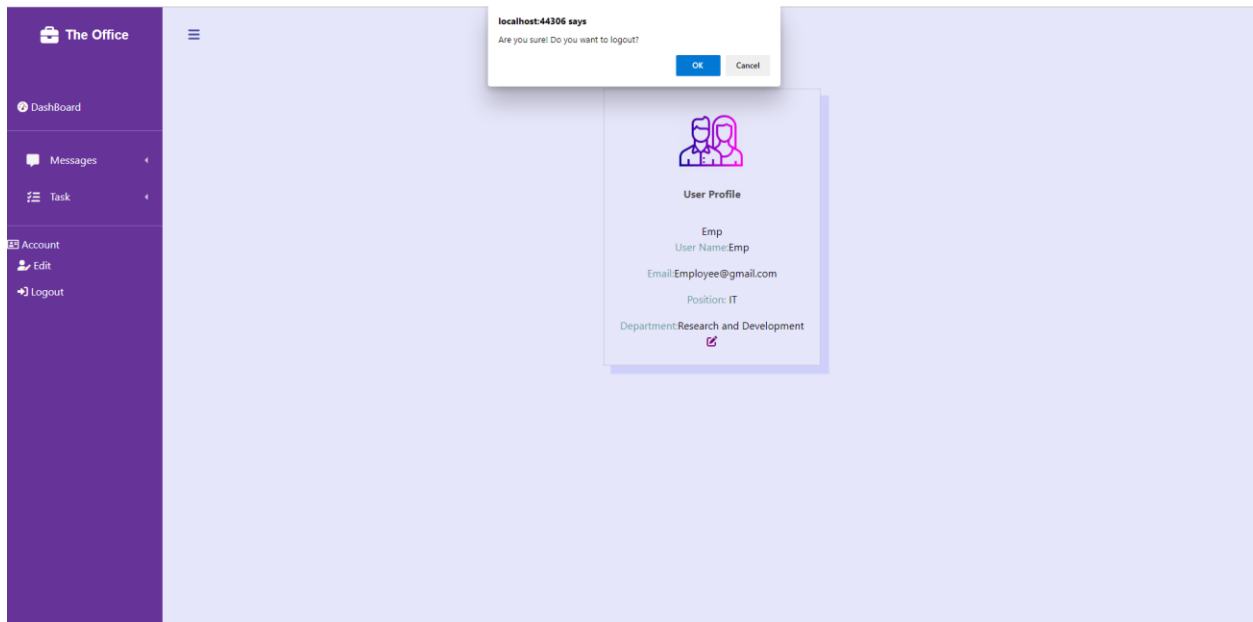
Edit Profile



View Profile



Logout



Conclusion:

The website helps teams to bring together to drive business impact Collaborate effectively organization-wide to get a clear picture of all your work. Stay in the loop with easy-to-use automations and real-time notifications.

References:

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