

International Institute of Information Technology, Hyderabad

Project Report on **Virtual Assistant**

Submitted by

Group 10

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Introduction

A **Virtual Assistant** is a software programs that can perform tasks or services for an individual based on commands.

Some virtual assistants are able to interpret human speech and respond via synthesized voices. Users can ask their assistants questions, control home automation devices and media playback via voice, and manage other basic tasks such as email, to-do lists, and calendars with verbal commands. Virtual assistants work via text (by typing commands) or voice (like Amazon Alexa, Siri etc.)

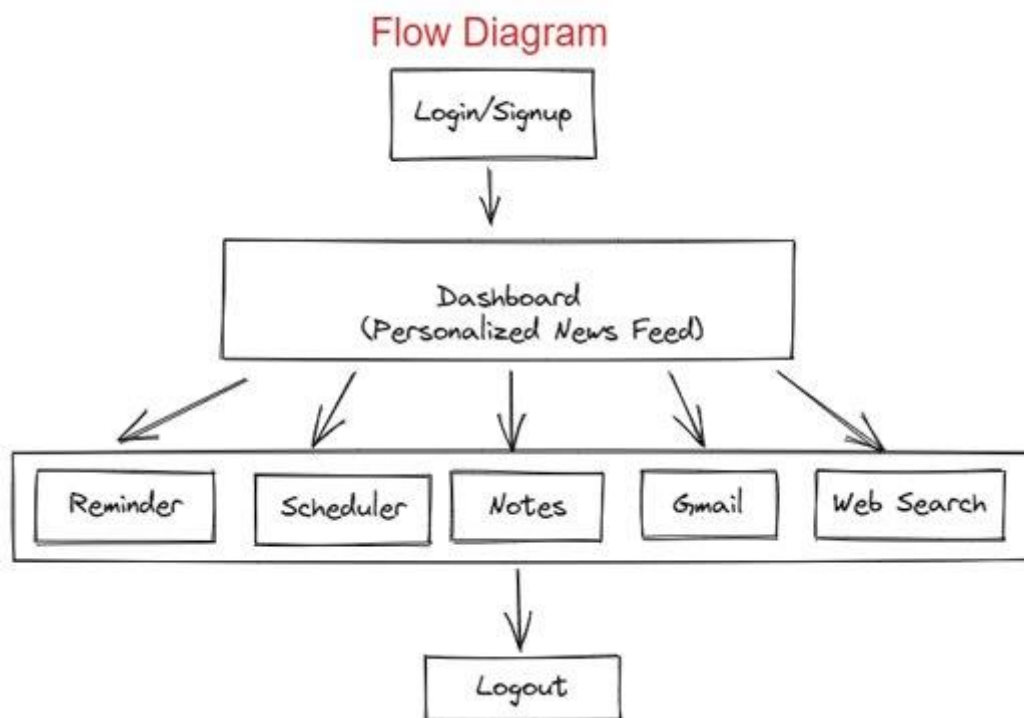
Objective

To build a web application that acts as a Virtual Assistant which improves user productivity by managing routine tasks of the user.

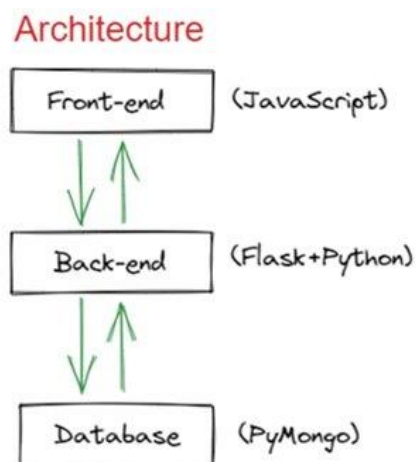
Our Virtual Assistant

A web-app which enables user to ease everyday tasks like manage reminders, view schedule, view and compose emails, add notes and search on web is built.

Application flow:

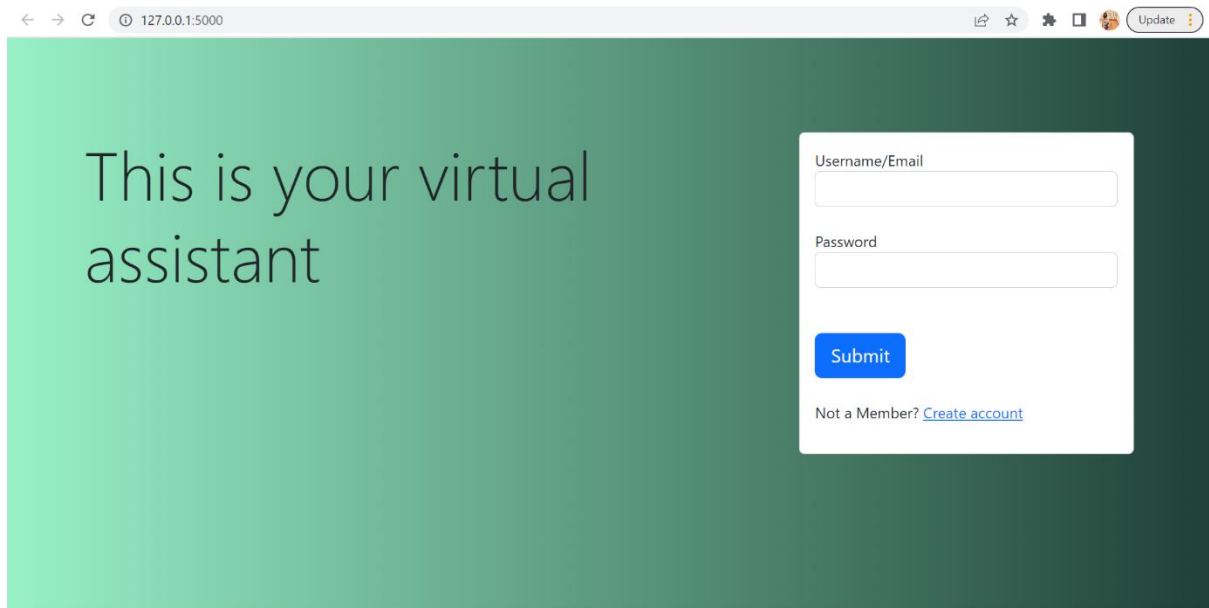


Architecture:



User Login:

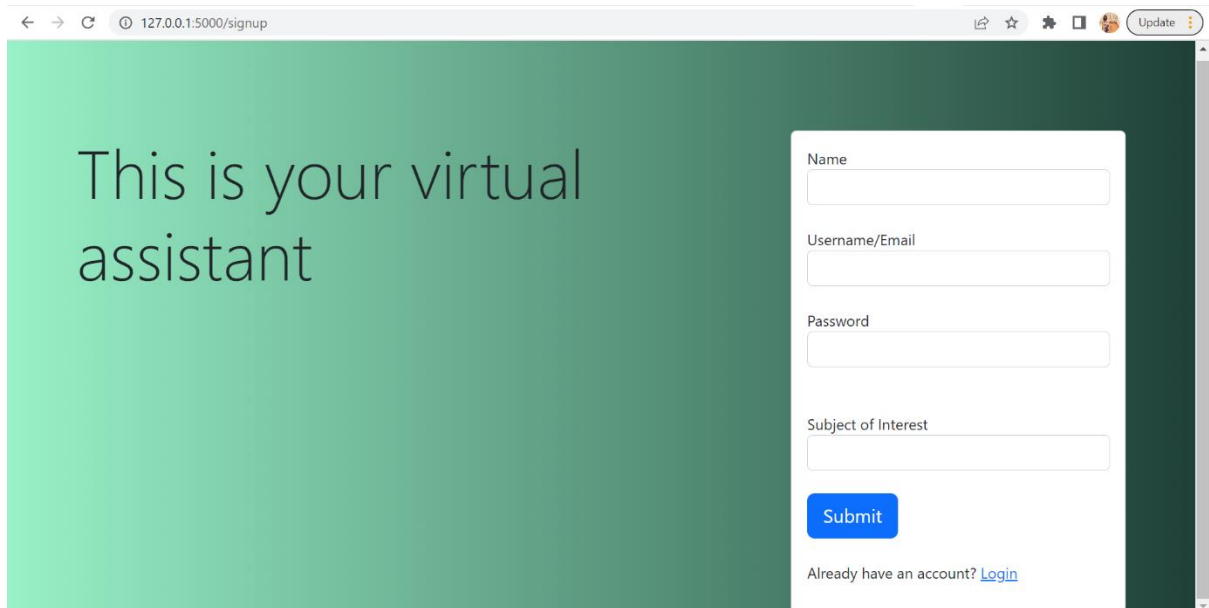
User can login directly if already signed up for our Virtual Assistant web-app.



A screenshot of a web browser displaying the login page for a virtual assistant. The browser's address bar shows the URL "127.0.0.1:5000". The page has a dark green background with a lighter green gradient on the left. On the right side, there is a white login form. The form contains two input fields: "Username/Email" and "Password". Below these fields is a blue "Submit" button. At the bottom of the form, there is a link that says "Not a Member? [Create account](#)".

User Signup:

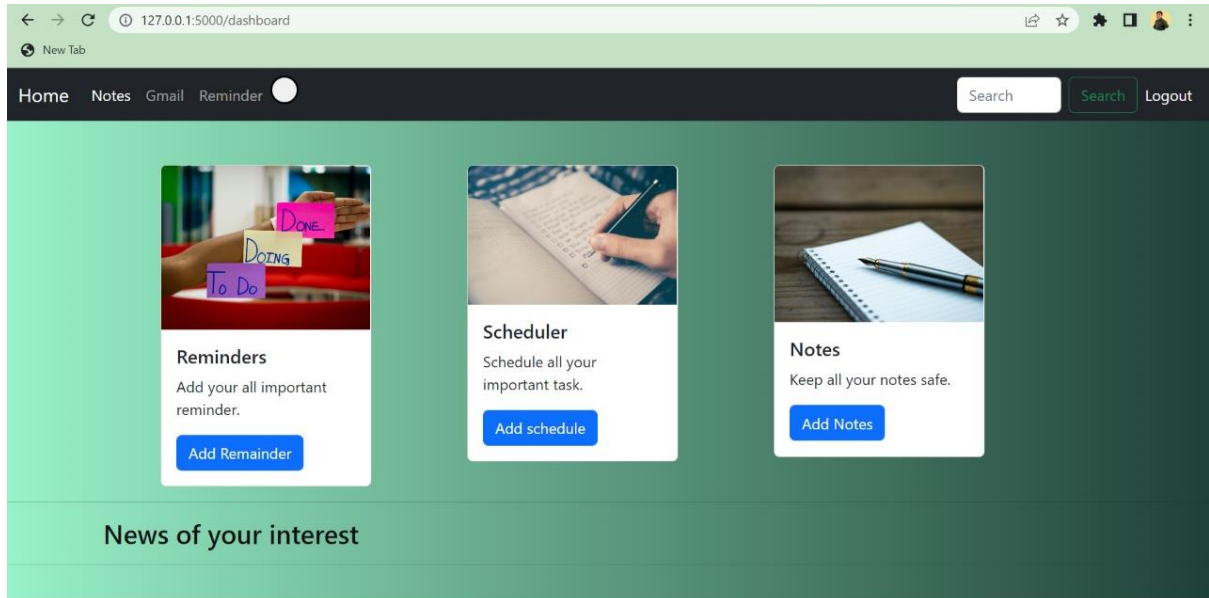
A new user can signup for our Virtual Assistant web-app.



A screenshot of a web browser displaying the signup page for a virtual assistant. The browser's address bar shows the URL "127.0.0.1:5000/signup". The page has a dark green background with a lighter green gradient on the left. On the right side, there is a white signup form. The form contains four input fields: "Name", "Username/Email", "Password", and "Subject of Interest". Below these fields is a blue "Submit" button. At the bottom of the form, there is a link that says "Already have an account? [Login](#)".

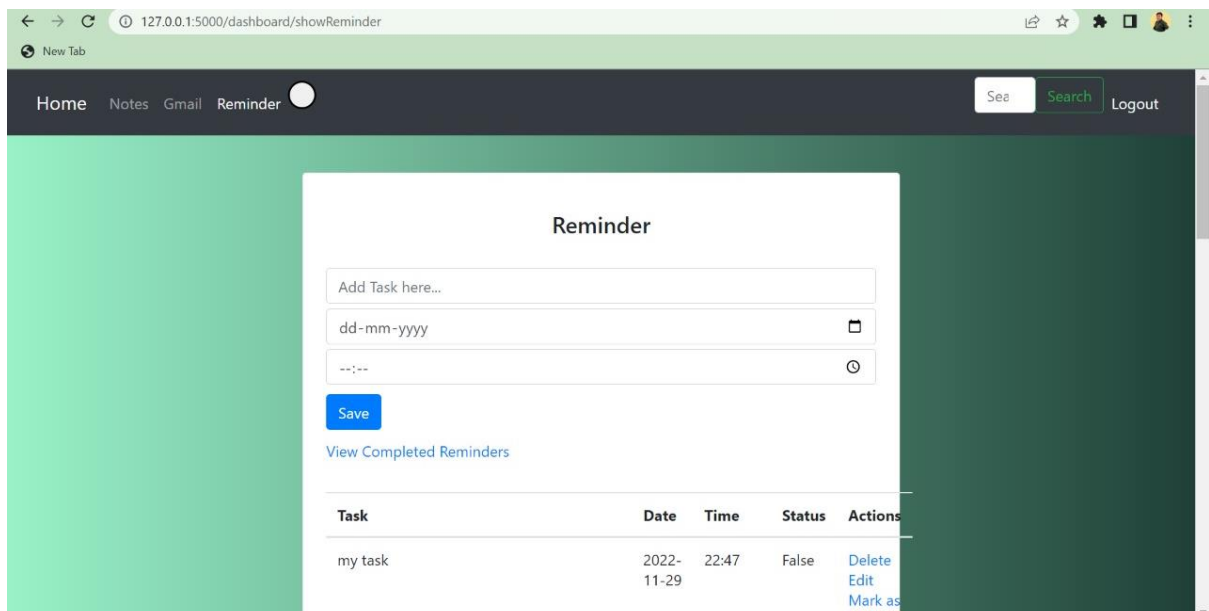
Dashboard:

Displays options for user to select among Reminders, Scheduler and Notes. Personalised news feed is displayed. User can search on web using search box or voice. The round button is used to enable voice features.

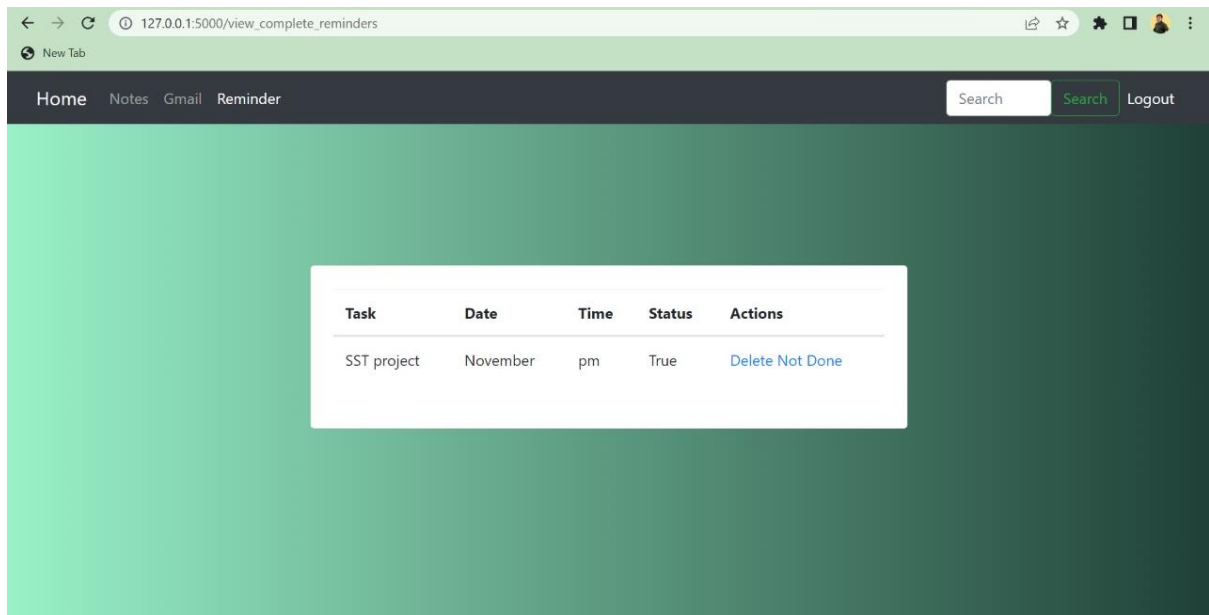


Reminder:

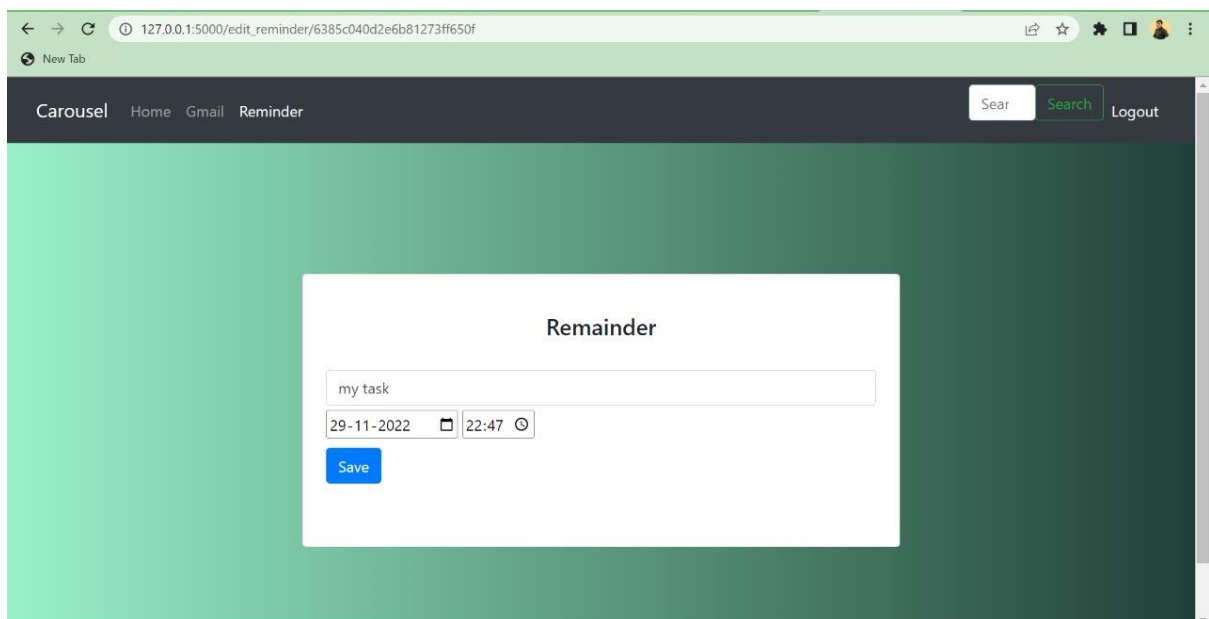
Displays a form to add new reminders. Also displays list of pending reminders (reminders not marked as done by the user).



On clicking the link to “View Completed Reminders”, a list of reminders that were marked as complete by the user is displayed.

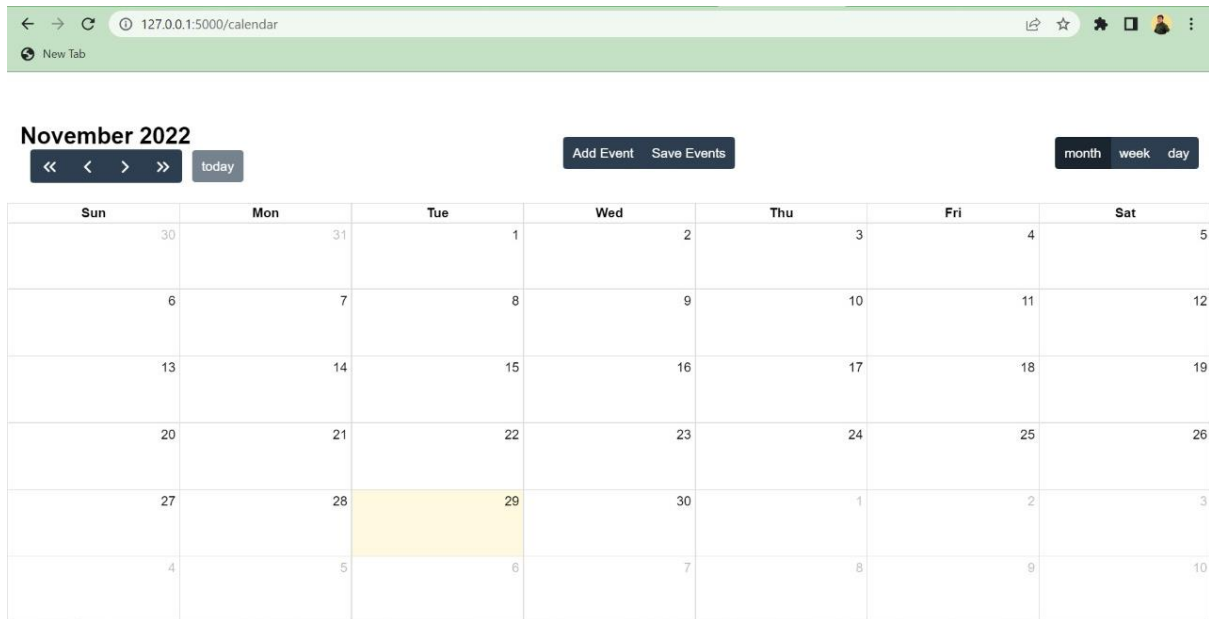


On clicking “Edit”, a form opens up which is pre-populated with the current values. User can edit values and update the corresponding reminder.



Scheduler:

A calendar is displayed which shows all the events created by the user. User can see monthly, weekly or daily view of the calendar.



Notes:

Displays a form to add new notes. Also displays list of notes previously added by the user.

