

Task- List

Submitted in partial fulfillment of the requirements of

Mini Project (CSM301)

for

Second Year of Computer Engineering

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CERTIFICATE OF APPROVAL

This is to certify that the project entitled

“Task list”

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Date:

Place:

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Signature

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Abstract

In this project We have tried to create an application that helps every individual to organise his/her day so that they can make maximum out of it by staying organised .

Goals we want to achieved

- User must be able to plan his/her tasks using our application.
- When the task is completed user can put a check mark on the respective task to get the sense of accomplishment.
- Collaborate with other user when they are working as a team.
- Users are able to chat with each other if required.
- User should be able to make long terms goal(monthly) using our application.
- User will get notification when the task is near the deadline.

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Introduction

We have developed react-based web application, this application is divided into 4 major parts as follows login page, to do list, event calendar, chat room.

The login page allows the user to gain access to an application by entering login credentials.

we have included To-do list so that, by keeping such a list, we can make sure that our tasks are written down all in one place and we don't forget anything important.

Event Calendar is useful tools for keeping track of upcoming meetings, deadlines, and milestones. They can help you visualize your schedule and remind you of important events, such as holidays and vacation time.

Chat room is a web application that allows people to interact with each other.

Problem Definition

Many people don't know what they want to do in daily life, daily goals help them cope with this problem as it is a to-do list.

Social media and other easily accessible online distractions make it hard for us to stay focused on our tasks and makes it difficult for us to do our work efficiently.

Also, constantly switching between tasks may give us the false satisfaction that we are being productive when we are in fact not. It's more important for us to prioritize tasks and work on those that are most important, rather than focusing on deleting small items from our to-do list just for the sake of appearances.

The goal of this app is to help us to become more aware of how we spend time in the process of doing those tasks and how productive that time is. It can help us to put some constraints on social media to reduce distraction and track the time we spend working on the to-do items.

When we have a better sense of the estimated time we'll need to spend on our tasks, along with the validated time spent on the items for reference or personal/team reviews, we are able to manage our daily routines more efficiently.

Literature Survey

One of the most important reasons you should use a to do list is that it will help you stay organized. When you write all your tasks in a list, they seem more manageable. When you've got a clear outline of the tasks you've got to do and those you've completed, it helps you stay focused. When you complete a task, you can cross it off your list. This gives you a sense of progress and achievement, something you'll lack if you're always rushing from one task to the next. If you feel a sense of achievement, it spurs you on and motivates you to keep moving forward.

Here are a few more points about to-do list: -

- Improves your memory: A to do list acts as an external memory aid. It's only possible to hold a few pieces of information at one time. Keep a to-do list and you'll be able to keep track of everything, rather than just a few of the tasks you need to do. Your to do list will also reinforce the information, which makes it less likely you're going to forget something.
- Increases productivity: A to do list allows you to prioritize the tasks that are more important. This means you don't waste time on tasks that don't require your immediate attention. Your list will help you stay focused on the tasks that are the most important.
- Helps with motivation: To do lists are a great motivational tool because you can use them to clarify your goals. You can divide your long-term goal into smaller, more achievable short-term goals and as you tick each one off your list, your confidence will increase.

To do lists come in all shapes and sizes. It always used to be something that you would write using pen and paper, but thanks to technology there's an app that can come to your rescue.

To make good To-Do list app: -

1. Tasks should be fast to add and organized.
2. There should be a variety of ways to organize the tasks.
3. Ability to plan your workflow.
4. Setting priorities.
5. Reminders for any self-imposed deadlines.
6. Allocation of tasks if using it for task management with a team.
7. Team to-do list allows you to assign to the best person for the job.
8. Able to synch between different platforms.

All it takes is just a few minutes every day to keep a to do list up to date. With a to do list, you can complete goals without wasting time trying to figure out priorities. Your productivity will increase, you won't forget things, your time management will improve, and you'll be able to manage your tasks more effectively.

With the mountain of tasks, we have to do each day, we can't solely rely on our ability to remember them. To-do lists serve as a reminder for what you need to accomplish. When we check things off, it's proof that we were able to get stuff done and that makes us feel good. So, finally we find the referral for our innovation by observing Microsoft to do list (Web Application).

Some Features: -

- Collaboration features

Web/desktop application: While to-do started off as a mobile application, Microsoft has launched web and desktop versions for both Windows and Mac devices.

- Security features

Two-Factor Authentication (2FA): Microsoft allows you to set up additional identity verification through 2FA.

Single Sign-On (SSO) integrations: Microsoft to-do is part of the Microsoft cloud ecosystem, which allows it to take advantage of the SSO capabilities of Azure.

- Task prioritization and scheduler

This is the bread and butter of Microsoft to-do. Not only can you create main tasks, but also subtasks to help you track the intricacies of anything you're looking to accomplish.

- Document storage

Microsoft To Do includes a file upload field in each individual task, including documents, images, and other types of files.

- File sharing

Not only does each Microsoft to-do task allow for a file upload feature, but each task is shareable with other app users.

Technical Stack

React is a popular open-source front-end JavaScript library developed by Facebook. React is widely popular among developer communities because of its simplicity and easy but effective developing process. React makes it easier to create interactive user interfaces. It efficiently updates through rendering the exact components to the view of each state and makes the data changes in the application.

A React application is a collection of discrete components, each representing a single view. The idea of every individual view component makes it easy to iterate on product development because to make changes on a single view or component, it is not necessary to consider the entire system. When an application is built with React, the code is generally predictable, it is because react wraps the DOM mutative, imperative API with a declarative one, which raises the level of abstraction and simplifies the programming model. Moreover, it is easier to scale the application built with React. The combination of React and the rapid iteration cycle of the web has enabled us to make some excellent products including many Facebook components. An amazing JavaScript framework called Relay has also been made on top of React, which helps simplify data fetching on a large scale.

JavaScript is used by programmers across the world to create dynamic and interactive web content like applications and browsers.

Implementation

Registration page / Login page :-

A login page is one of the most important pages of a website/app that allows authorized users to access an entire site or a part of a website. For login protected sites, the login/sign up page is the very first page to show the users. Whether it's a signup or login page, it should be attractive, user-friendly, and easy to use. The following is a simple login form that comes with a clean user interface to log in. This login form template has a title, input field for email & password. A login form generally consists of a username or email field, a password field and a button for logging in. Some of the login pages may also include captcha which helps to prevent automated login attempts.

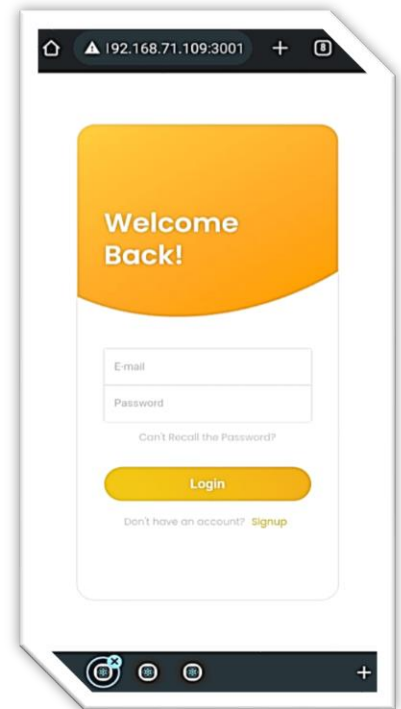


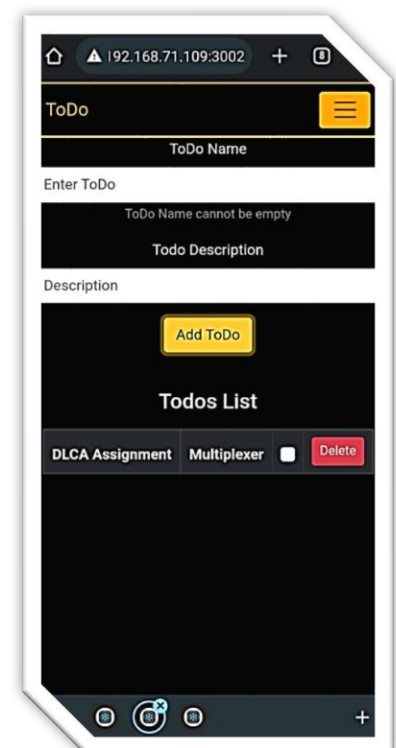
Figure A

Figure B

To-Do List :-

A list of tasks that need to be completed, typically organized in order of priority.

It determines what you will get done and what you will remember to do. Some people keep lists of any and all task that come their way. Others only write down the few tasks they know they can do today. Some write down only the things they know will get done. Others write down what they completed and then immediately check the items off. (Kind of a reverse to-do list) you shouldn't be afraid to add things to your



list. Adding a task to your list shouldn't be looked at as a burden or hard commitment. Rather, it is a way to track your tasks. Let your list remember your tasks, so that you don't have to keep them all in your head.

Calendar page :-

A Calendar is a chart or device which displays the date and the day of the week and often the whole of a particular year divided up into months, weeks, and days. Using this option User can plan there long term plans such as monthly goal.

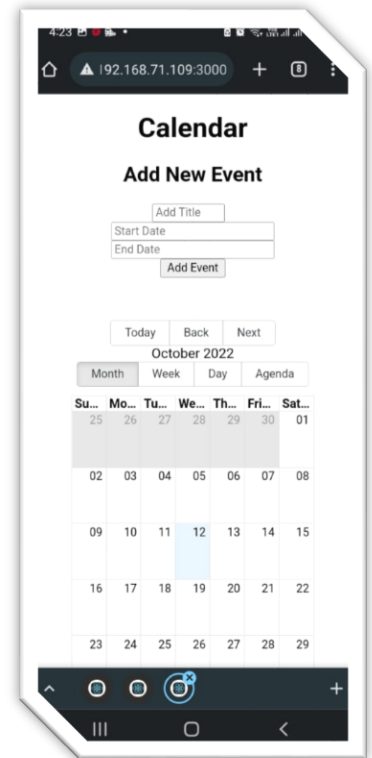
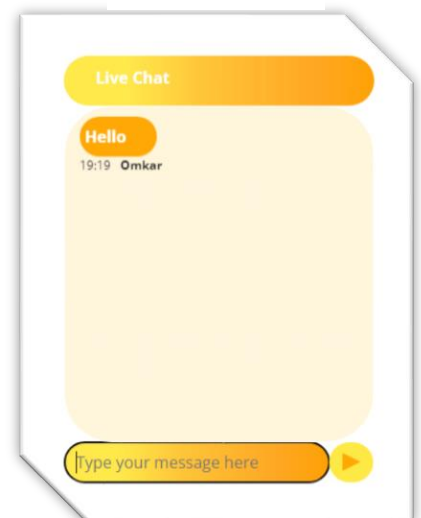


Figure C

Figure D

Chat Room :-

Chat Room Web free chat online with thousands of other people from all over the world. All chat rooms are simple and easy to use. Chat room users, register for the chat room of their choice, choose a user name and password, and log into a particular room (most sites have multiple chat rooms). Inside the chat room, generally there is a list of the people currently online, who also are alerted that another person has entered the chat room. To chat, users type a message into a text



box. The message is almost immediately visible in the larger communal message area and other users respond.

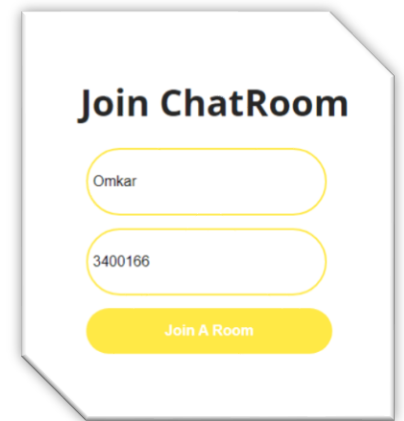
A white rectangular form with a yellow border and a yellow button. The form has a title "Join ChatRoom" in bold black text. Below the title are two yellow rounded rectangular input fields. The first field contains the text "Omkar" and the second field contains the text "3400166". Below the input fields is a yellow rounded rectangular button with the text "Join A Room" in black.

Figure E

Future Scope

Following features, we are going to add in future

- 1)Track the total time spent on a particular task.
- 2)Total time spent each day doing task.
- 3)(Attaching it with database) As this web application is not ready for use, it is not connected to database, we wish to connect this application to database in future, so it will fulfill its true use.

Conclusion

This project mainly focuses on discipline and helps us to improve it. Without discipline, the life of a person will become dull and inactive. Also, a disciplined person can control and handle the situation of living in a sophisticated way than those who do not. Moreover, if you have a plan and you want to implement it in your life then you need discipline. It makes things easy for you to handle and ultimately brings success to your life.

In conclusion, we can say that discipline is one of the key elements of anyone's life. A person can only be successful if she/he strictly live a healthy and disciplined life. Besides, discipline also helps us in a lot of ways and motivates the people around us to be disciplined. Above all, discipline helps a person to achieve the success that she/he wants in life.

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&hl=en_IN&gl=US&pli=1](https://play.google.com/store/apps/details?id=com.microsoft.todos&hl=en_IN&gl=US&pli=1)