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Student Time Line System for Students

Prananjay Kandekar, Vrushali Pawar, Anjali Rathod, Omkar Mante
Department of Information Technology
Shri Sant Gajanan Maharaj College of Engineering, Shegaon, India

Abstract: *Student management is of the most important term in institutional organization; Organizations will have to keep a track of people within the organization such as employees and students to maximize their performance. Managing or we can say keeping track on there records is not a simple task. Getting those are easy but keeping them manual is major issue and hard to handle. For this, an efficient Web-based application for student Information system is designed to track student's activity in the overall academics. This Web application keep hold of records of all students and showcase thereachievements in TimeLine. This system design using the Model, View, and Controller (MVC)Framework, and implemented using the power of Laravel Framework, for front end we used Plain HTML,CSS along with some Bootstrap. We are using MYSQL for saving those records. This System make sure every Student in organization gets his/hers information from Student Information System and not only for academics but also you can get your information after your Graduation this is main Purpose of System. This where our System get Separated from all other Existing System.*

Keywords: Laravel framework, MVC, HTML, CSS, MYSQL, Bootstrap, model, view, controller

I. INTRODUCTION

Time management is an essential skill for students to succeed academically. A well-managed timeline allows students to allocate time to various academic tasks, including assignments, readings, and exams. Students who fail to manage their time effectively often struggle with academic performance and can fall behind in their coursework. This research paper examines the importance of time management for students and its impact on academic success. The study aims to investigate the factors affecting students' ability to manage their time effectively and create a timeline for their academic tasks.

A Student Timeline System is a tool designed to help students manage their time effectively and efficiently. It provides a visual representation of tasks and deadlines, allowing students to prioritize their workload and meet their academic goals. The system typically includes a calendar or planner, task manager, and reminders to help students stay on track and avoid procrastination.

In a research paper, the introduction would typically provide an overview of the topic and context of the study. If you are introducing a Student Timeline System, you may want to briefly discuss the importance of time management for academic success and the challenges that students face in managing their workload. You could also discuss the benefits of using a Student Timeline System, such as improved productivity, reduced stress, and better time management skills.

It may also be helpful to provide a brief overview of the features and functionality of the system you are researching, including any unique or innovative aspects. You could also discuss the existing research on similar systems and any gaps in the literature that your study aims to address.

Finally, you should clearly state the research question or hypothesis that your study aims to answer, and provide an overview of the methodology and data analysis techniques you will use to address this question. This will help the reader understand the scope and purpose of your study, and provide context for the results and conclusions you will present later in the paper.

II. CONCEPTS OF MVC

MVC stands for Model-View-Controller, and it is a software design pattern that separates an application's data, user interface, and control logic into three interconnected components.

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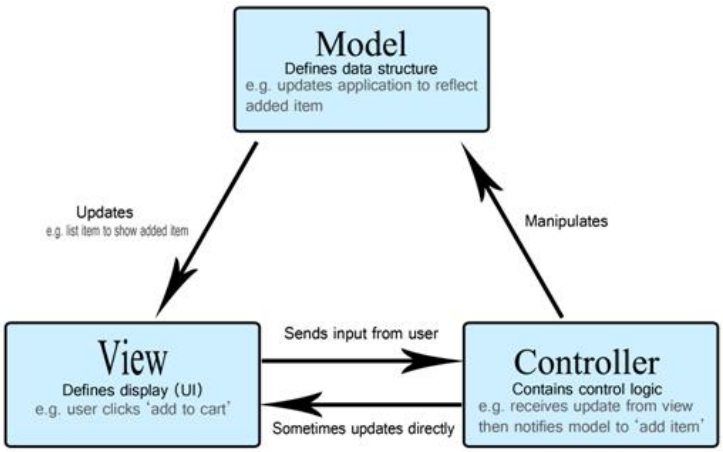
The Model component represents the data and the rules for manipulating that data. It is responsible for managing the application's data and providing the interface through which other components can access and manipulate it.
The View component represents the user interface and is responsible for displaying the data to the user. It is typically a graphical representation of the data provided by the Model component.
The Controller component acts as an intermediary between the Model and View components. It receives input from the user via the View component, processes that input, and updates the Model and View components accordingly. It is responsible for implementing the application's logic and coordinating the interaction between the Model and View components.
By separating an application's data, user interface, and control logic into distinct components, the MVC pattern promotes modular design and makes it easier to maintain and modify the application over time. It is widely used in web development, desktop applications, and mobile app development.



III. CONCEPTS OF LARAVEL MVC

Laravel is a well-known PHP web application framework that adopts the Model-View-Controller (MVC) architectural pattern.
In Laravel, the Model part represents the application's data and business logic, which normally interacts with the database using an Object-Relational Mapping (ORM) system like Eloquent.
The View component is responsible for displaying the application's data to the user. It is created using HTML, CSS, and JavaScript code that generates the user interface. Blade is the default templating engine in Laravel for creating views.
The Controller element handles user input and synchronizes the Model and View components. It contains the application's business logic and responds to HTTP requests, retrieves data from the Model, and sends it to the View for user presentation.
Laravel's routing system maps HTTP requests to Controller actions. The routes file specifies the URLs and HTTP verbs that trigger each Controller action.
Overall, Laravel's MVC pattern provides developers with an organized and modular approach to creating web applications. The segregation of responsibilities between the Model, View, and Controller components makes it simpler to maintain and expand applications over time.
Laravel's implementation of the MVC pattern provides developers with a structured and modular approach to building web applications. The separation of concerns between the Model, View, and Controller components makes it easier to maintain and scale applications over time.
Some of the applications of Laravel in the MVC architecture include:

- Developing dynamic web applications and websites with complex business logic.
- Creating RESTful APIs to provide data to third-party applications or to build single-page applications.
- Developing enterprise-level web applications that require scalability, security, and maintainability.

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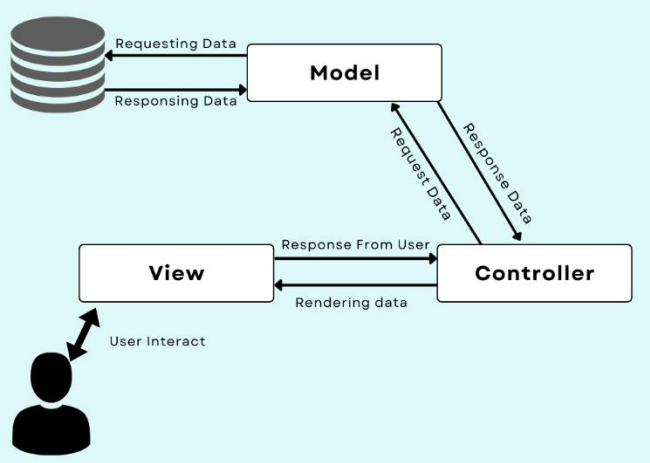
- Building e-commerce platforms that require payment gateway integrations, customer management systems, and product catalogs.

Overall, Laravel's implementation of the MVC architecture provides developers with a powerful and flexible framework for building web applications of all sizes and complexity levels.



IV. PROPOSED SOLUTION

The proposed Student TimeLine System will be a digital platform that students can access through their computers, tablets, or smartphones. The system will have the following features:

Personal Scheduling: Students will be able to create and manage their personal schedules by adding their classes, study times, extracurricular activities, and other commitments. The system will allow students to set reminders for upcoming events and deadlines.

Academic Progress Tracking: The system will allow students to track their progress on academic assignments, such as essays, projects, and exams. Students will be able to input their grades and receive feedback from their instructors. The system will also provide students with insights into their overall academic performance, such as their GPA and class rank.

Collaboration: The system will allow students to collaborate with their peers on group projects and assignments. Students will be able to share documents, communicate with each other, and track their progress on shared tasks.

Support: The system will provide students with access to academic support resources, such as tutoring services, writing centers, and academic advisors. Students will be able to schedule appointments with these resources through the system.

V. METHODOLOGY

The research methodology involved collecting data through surveys and interviews with college students. The surveys were distributed online, and the interviews were conducted in person. The participants were asked to provide information on their time management strategies and the factors that influenced their ability to manage their time effectively. The study used both quantitative and qualitative analysis to analyze the data.

VI. RESULTS

The results of the study showed that effective time management skills are crucial for academic success. Students who prioritize their time wisely and create a timeline for their academic tasks perform better academically. The study also revealed that several factors influence students' ability to manage their time effectively. These factors include the student's level of motivation, self-discipline, and the availability of resources such as study materials and support from peers and faculty.

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VII. CONCLUSION

In conclusion, the study highlights the importance of time management for students and its impact on academic success. Effective time management skills allow students to prioritize their academic tasks and allocate sufficient time to each task. The study also suggests that several factors affect students' ability to manage their time effectively, and these factors need to be addressed to improve students' time management skills. The findings of this study can be used to develop programs and interventions to help students improve their time management skills and enhance their academic performance.