



UNIVERSITI MALAYSIA TERENGGANU  
SEMESTER I 2023/2024

FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

---

CSM3114

FRAMEWORK – BASED MOBILE APPLICATION DEVELOPMENT

PROJECT REPORT

TO-DO-LIST APP

---

NAME : NUR SYAFINATULZANIS BINTI ISHAK

MATRIC NUMBER : S63197

LECTURER NAME : DR MOHAMAD NOOR HASSAN

## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>3</b>
<b>PROTOTYPE DESIGN .....</b>	<b>4</b>
<b>THE UI FOR THE APPLICATION WITH EXPLANATION.....</b>	<b>5</b>
<b>POTENTIAL COMMERCIAL VALUE AND PRICING OF THE PROTOTYPE .....</b>	<b>8</b>
<b>LESSON LEARNED .....</b>	<b>10</b>
<b>CONCLUSION .....</b>	<b>11</b>
<b>REFERENCES.....</b>	<b>12</b>
<b>LINK GITHUB : .....</b>	<b>12</b>

## EXECUTIVE SUMMARY

In today's fast paced academic environment, the To-Do-List App places a strong emphasis on user experience, ensuring that the interface is intuitive, user-friendly, and accessible to all students, including those with diverse learning needs or disabilities. By adhering to accessibility standards and incorporating user feedback, the application strives to create an inclusive environment where every student can effectively navigate, utilize, and benefit from its features. This commitment to accessibility ensures that all students have equal opportunities to succeed, engage, and thrive in their academic pursuits.

This To-Do-List App managing assignments, deadlines, and extracurricular activities can be overwhelming for university students. Recognizing this challenge, the To-Do-List App is designed as a specialized application tailored to meet the unique needs of university students. The To-Do-List App enables students to create, organize, and prioritize academic tasks such as assignments, projects, and exams. With customizable due dates, students can stay ahead of deadlines and manage their academic workload effectively. By centralizing task management and prioritizing features, the To-Do-List App empowers students to maximize productivity. Students can allocate time efficiently, reduce procrastination, and focus on tasks that align with their academic and personal goals. The prototype's intuitive interface and scheduling capabilities enable students to manage their time effectively. By visualizing deadlines, students can create balanced schedules and avoid last minute rushes.

Additionally, the To-Do-List App prioritizes the holistic development of university students by incorporating features that promote wellness, self-care, and work-life balance. Recognizing the mental and emotional toll of academic pressures, the application integrates mindfulness reminders, break scheduling, and wellness tips tailored for students. By incorporating wellness-centric features, the To-Do-List App encourages students to prioritize self-care, maintain a healthy lifestyle, and cultivate resilience amidst academic challenges. This holistic approach to task management ensures that students not only excel academically but also prioritize their well-being, fostering a balanced, sustainable, and fulfilling university experience.

## PROTOTYPE DESIGN

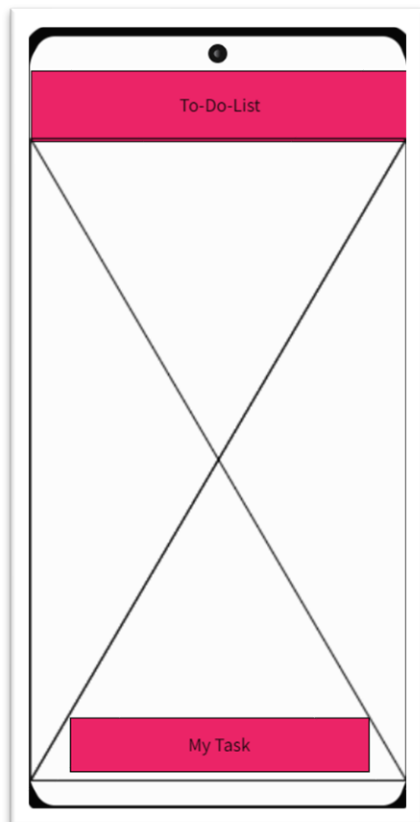


Figure 1 : Homepage Prototype Screen

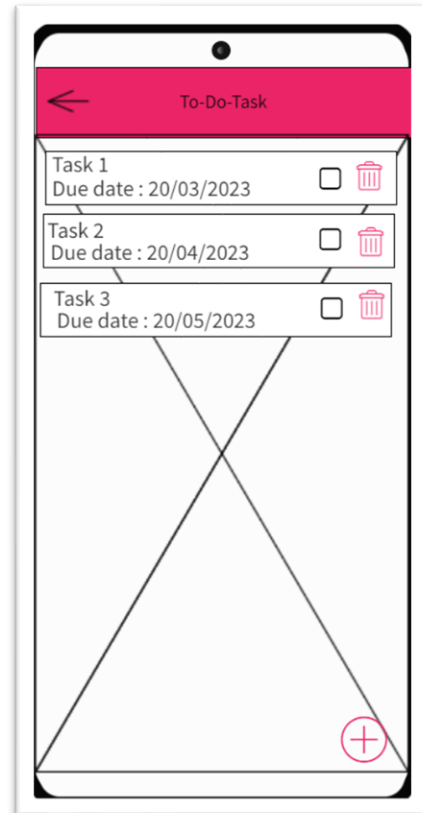


Figure 2 : To-Do-Task Prototype Screen

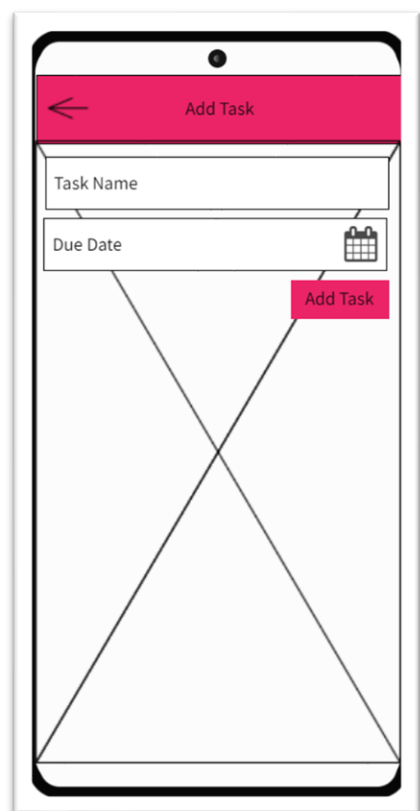


Figure 3 : Add Task Prototype Screen

## THE UI FOR THE APPLICATION WITH EXPLANATION

The user interface is the point at which human users interact with a computer, website or application. The goal of effective UI is to make the user's experience easy and intuitive, requiring minimum effort on the user's part to receive the maximum desired outcome. Here, I present the user interface of the To-Do-List App along with a detailed explanation.

### 1. Homepage Screen :

The figure 4 below show Homepage Screen that show the interface that provides the user appealing and motivational quotes for the user. It also consists of elevated button to guiding users to view To-Do-Task upon interaction.

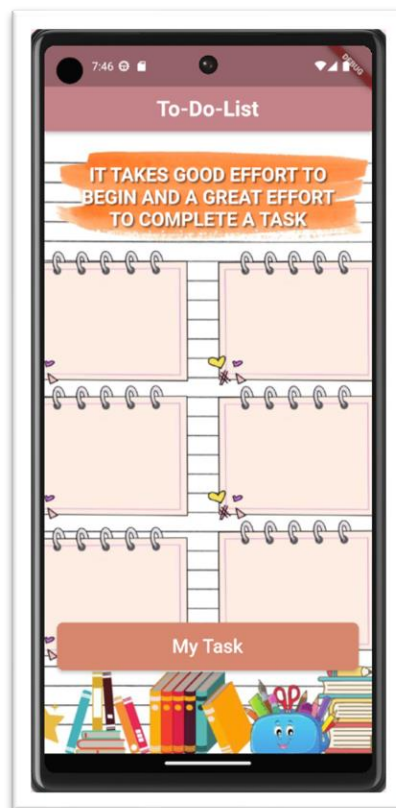


Figure 4 : Homepage Screen

## 2. To-Do-Task Screen :

The figure 5 below show To-Do-Task Screen that serves a visual representation of tasks that are schedules for future dates. Each task appears as a card within the list that consists of task name, due date, checkbox button that allow the user to mark the task as a done and delete button to let the user to remove the task from the list. The add task button is to allow the user to navigate to the add task screen.

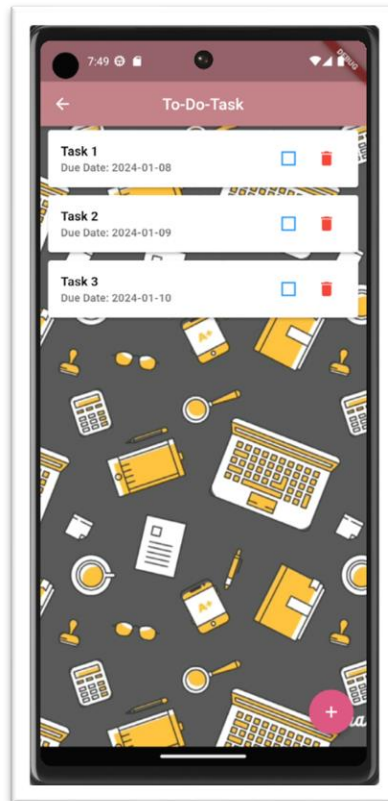
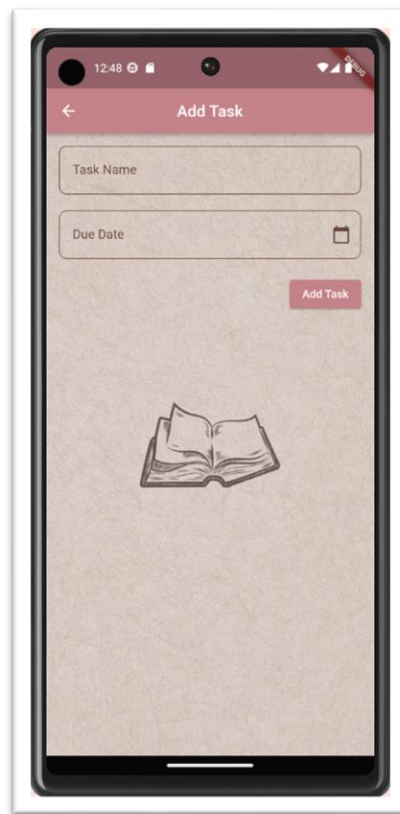


Figure 5 : To-Do-Task Screen

### 3. Add Task Screen :

The figure 6 below show Add Task Screen that facilitates the user in adding new tasks to their list of the task manager app. For this screen, user need to enter the task name and choose the due date for the task. The add task button is to add the task at the To-Do-Task screen in the list card.



*Figure 6 : Add Task Screen*

In conclusion. these user interface elements contribute to a cohesive and user-friendly application environment, empowering users to manage their tasks effectively while enjoying a seamless and aesthetically pleasing interface.

## POTENTIAL COMMERCIAL VALUE AND PRICING OF THE PROTOTYPE

The prototype for the To-Do-List App presents several avenues for commercial value and the pricing for a prototype of a To-Do-List App involves considering various factors such as pricing structure for many types of subscriptions.

### 1. Market Demand :

- a. **Growing Need :** With the increasing complexity of daily tasks, both personal and professional, there's a rising demand for efficient task management tools. This app offering a streamlined interface for users to organize and manage their tasks effectively.
- b. **Target Audience :** The app is tailored for university students, to make sure that the students can organize their task effectively.

### 2. Unique Features :

- a. **Customizable Tasks :** The prototype allows users to add and delete tasks, providing flexibility based on evolving needs.
- b. **Due Date Tracking :** The inclusion of due dates ensures that users are consistently reminded of impending deadlines to make sure they are do not missed the dateline.
- c. **User Experience :** The intuitive user interface, complemented by background imagery, enhances user engagement, making the app more appealing and user-friendly.

### 3. Monetization Strategies :

- a. **Freemium Model :** Offer basic features for free and introduce premium features such as advanced analytics, collaboration tools, or additional customization options for a subscription fee.



- b. **Advertisements** : Integrate non-intrusive ads within the app, targeting services or products relevant to university students.
- c. **Partnerships** : Collaborate with educational institutions or organizations to promote the app, potentially leading to licensing deals or promotional opportunities.

#### 4. Branding and Marketing :

- a. **Positioning** : Emphasize the app's unique value proposition, focusing on its tailored approach for university students and its user-centric design.
- b. **Engagement** : Leverage social media platforms, influencer partnerships, and content marketing strategies to raise awareness, drive user acquisition, and foster community engagement.

#### 5. Pricing Structure :

##### a. Basic Plan (Free) :

- Limited to 50 tasks.

##### b. Student Plan (RM 4.99/month):

- Unlimited tasks and categories.
- Enhanced customization options.

##### c. Student Plus Plan (RM 7.99/month) :

- All features of the Student Plan.
- Priority access to new updates and features.
- Ad-free experience.

In conclusion, the To-Do-List app holds significant commercial value by addressing a specific market need, offering unique features, and presenting various monetization and expansion opportunities. With strategic planning, continuous user feedback, and iterative development, the app has the potential to establish itself as a leading solution in the task management landscape.

## LESSON LEARNED

Developing the To-Do-List App has been an enlightening experience, offering valuable insights into both technical and user-centric aspects of mobile application development. This app always prioritize the end user experience because this app is a well designed user interface (UI) and user experience (UX) to ensure the app is intuitive and easy to navigate.

Furthermore, performance optimization also importance to optimize load times, ensure smooth navigation and minimize crashes to provide a seamless user experience.

In summary, developing an app involves a combination of technical skills, user centric design principles, continuous learning, and adaptability. Embracing these lessons ensures that developers can create impactful, user friendly, and successful apps that meet the evolving needs of users.

## CONCLUSION

Developing a To-Do-List App for university students has been a comprehensive journey in blending functionality with user-centric design. Through the Homepage screen, users are greeted with an inspiring message that sets the tone for effective task management. The To-Do-Task screen provides a dynamic platform for students to organize, prioritize, and track their academic commitments seamlessly. Features such as due date customization, task completion indicators, and intuitive user interfaces enhance productivity while fostering a sense of accomplishment. The add task screen streamlines the task creation process, ensuring that students can effortlessly input, schedule, and manage their tasks with precision. Overall, this To-Do-List app encapsulates the essence of empowering university students to navigate their academic journey with clarity, efficiency, and balance, reflecting a harmonious blend of innovation, usability, and student well being.

## REFERENCES

1. *Flutter documentation*. (n.d.). Flutter. <https://docs.flutter.dev/>
2. Malsam, W. (2023, October 26). *How to write an executive Summary (Example & template included)*. ProjectManager. Retrieved from <https://www.projectmanager.com/blog/write-an-executive-summary>
3. *Task Management Software Market Size, Share & Growth, 2026*. (n.d.). Retrieved from <https://www.fortunebusinessinsights.com/task-management-software-market-102249>
4. *2023 cost to build a task manager app*. (n.d.). Retrieved from <https://www.crowdbotics.com/cost-to-build-app-type/task-manager-app>
5. Swan, G. (2024, January 4). *20 Best To-Do List Apps to Stay Organized in 2024*. ClickUp. <https://clickup.com/blog/to-do-list-app>
6. *ChatGPT*. (n.d.). <https://chat.openai.com/share/fcdcc869-2657-451e-9d77-c6ca058c513a>

## LINK GITHUB :

<https://github.com/syafinatul/Project-1>