GROUP B4

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Assignment 1
Project Inception

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THE PROJECT PLAN

The Team

Name: Mohamed Azhan
Email: mame0009@student.monash.edu
Phone No: +97333992309
Role: **UI/UX DESIGNER**
Figures out which interface looks good and what type of interface works with the client

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Name: Winston Ferdian Sunaryanto
Email: wsun0020@student.monash.edu
Phone No: +62087808874096
Role: **Team Lead/Scrum Master**
Manages the team and communicates with the product owner. Do smaller tasks and help the team to achieve their goals.

Name: Wong Jiung Ming (Andon)
Email: jwon0118@student.monash.edu
Phone No: +6016-3237723
Role: **Programmer/Tester**
Implementing a program that meets client's requirements and test it against possible scenario

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Name: Poon Yeong Shian
Email: yeon0001@student.monash.edu
Phone No: +60143514319
Role: **Tester**
Check whether the functions meet the requirements and make the program more robust.

Name: Yap De Sheng (Sean)
Email: dyap0005@student.monash.edu
Phone No: +60193160013
Role: **Programmer/Developer**
Develop a software application which follows the client requirements

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HOW PROCESS MODEL DIFFERS FROM SCRUM

Our Process Model is a tad bit different from the usual Scrum Process Models in ways such as :

- The Sprint meetings will be held every 3 days (Tue/Thurs/San) at 9pm MYT.
- There will be a product review every odd week.

Rather than having daily meetings we have decided it is more feasible that we have meetings in intervals giving us more time on working on the product hence increasing our effective team work.

TIME AND TASK TRACKING

Allocation of Tasks

- Tasks will be done based upon their priority and the task will be given to the person who is best fitted to the task(role based).

Tracking of Time and Tasks

- Tasks will be tracked using Git and Trello.

Decision on Processes

The methodology we have adopted is A Variation of Scrum.

- The communications tools to be used will be Whatsapp, Trello, Google Drive, GitLab and Zoom.
- Whatsapp will be used for casual transactions of information.
- Trello for task management,
- Google Drive for file sharing purpose.
- Gitlab for version control.
- Zoom for meeting and presentation.

VISION & DEFINITION OF DONE

Our Vision

Tomorrow's widgets in your hand. We want to be the world's leading widget maker.

Definition of Done

We consider our work done when

- our products have little to no flaws.
- we have truly satisfied our customers.

ANALYSIS OF ALTERNATIVES

Analysis of Alternatives has been done for programming language

Alternatives

- Python
- Java

We have considered choosing either Python and Java as our alternatives as per the skills of our current team members. These languages have roughly the same functionality as one another and can still help us achieve our goals.

Analysis of Alternatives has been done for platform/architecture

Platform

- iOS/Android

-Android provides an open source platform for the development of great apps plus allows app developers to immediately publish them

we have considered choosing and iOS/Andriod app as an alternative due to the fact that these choices satisfy our Requirements and have similar outputs

- WebApp

-Web application needs authentication. The web application uses a combination of server-side scripts and client-side scripts to present information. It requires a server to manage requests from the users.
Example: Google Apps

Architecture

- Model-View-Presenter (MVP)

-Model-view-presenter (MVP) is a derivation of the model-view-controller (MVC) architectural pattern, and is used mostly for building user interfaces.Model-view-presenter (MVP) is a derivation of the model-view-controller (MVC) architectural pattern, and is used mostly for building user interfaces.

RISK REGISTER

What is a Risk Register

A project risk register is a tool project managers use to track and monitor any risks that might impact their projects. Risk management is a vital component of project management because it shows how we proactively combat potential problems or setbacks.

Number of Risks Identified

There were 8 risks which were identified after a lot brain storming.

Below we have Attached The Risk Register

link to GIT

https://git.infotech.monash.edu/fit2101-malaysia-projects-2021/wsun0020

link to Trello

https://trello.com/invite/b/ojhMt6Wb/7e0ca791a6ce09d1e312ce0811595214/fit2101

link to Gdrive

https://drive.google.com/drive/folders/19U8ONOm0ltxkvuSn-aTwyza9qSrWGIuw?usp=sharing

Risk register

ID	Hazard	Risk description	Likelihood	Impact if the risk occurs	Owner	Contingency plans	Mitigation action
1	Lack of communication	Misunderstanding among teammates	Medium	High	Scrum master	Create an immersive environment	Have regular contact
2	Software or hardware failure	Loss of progress	Medium	Medium	Developers	Have regular check	Backups on the clouds
3	Bad coding habit	Inefficient Programming	High	Low	Developers	Use a set Rules and regulations for coding	Refactor the codes that were done badly
4	Difference in working behaviour	Negative emotion towards team member	Low	Medium	Project manager	Set rules on how work should be done	Talk and fix issues between team and team members
5	Time Risk	Not delivering on time	Medium	Medium	Scrum master	Create a schedule to follow	Follow time schedule and if the task is not completed there will be consequences such as loss of marks
6	Data get compromised	Hackers get a hold on the data	Low	High	Developers	Create another safe path. E.g personal NAS	Have safety walls(secure)
7	Program does not meet requirement	Misunderstanding requirement	Medium	Medium	Project Members	Read and reiterate the requirements regularly	Find the possible errors and fix it
8	Budget issue	The budget isn't enough for the development	Low	High	Project Members	Monitoring strategies used	Negotiate with client
9	Covid 19	Team member contracts COVID	Medium	Medium	Project Members	Reallocate the tasks between the team	Stay at home
10	Git Issues	Team member unable to pull/push to GIT	Medium	High	Project Members	Share code and update code via Google Drive till and fix issue ASAP	Share code via other source of channel