

# **MEAP**

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# MEAP(MY EVERYDAY ASSISTANT and PLANNER)

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We welcome the opportunity to build a cutting-edge web application and deploy to market a web app for students in the SDS program, designed to assist in weekly and day to day task scheduling and offer monitorisation of the student's time management and overall wellbeing when visiting MEAP.

#### 1. INTRODUCTION

Our proposed system is an implementation of an automated schedule maker, progress tracker and emotional/psychological sate tracker system for students. SDS personnel

Will also have their own schedule created by the system. This project is specific in that it applies to the automated schedule based on year/semester class timetable of students inclusive to additive personal activities to the schedule. A view of available consultation slots from SDS will be added to available blank slots on the student's schedule. One the SDS it allows viewing of the student's schedule allowing them to take note and monitor students time management and workflow. The scope of this project will primarily focus on the monitorisation of the student task completion progress daily and emotional state before those tasks were completed/not completed which may lead to the need of consulting a session with SDS.

#### 2. BACKGROUND

There exist many applications which are like "MEAP" but not exactly what it does. Web/mobile applications like Monday.com ,trello and asana allow teams to shape workflows, adjust to shifting needs create transparency, connect transparency and stop doing manual grant. However, they do not monitor our progress and other members based on general well-being and caring for others. Also ensuring that others are coping with their daily lives and dealing with ups and down's thrown at us. Currently communication, consultation appointments and creation of time management time table between SDS and students is done by physically going to the SDS office and making an appointment ,although since the current pandemic SDS had implemented meetings online with students through brightspace/mytutor most students don't use the SDS module uploaded as they don't know when they will have time to attend such sessions since a proper schedule is never drawn out by the students mostly because they do not know how to create one.

Another issue arises when students are not even sure if the SDS consultation times

Another issue arises when students are not even sure if the SDS consultation times are still available or not.

The emotional/mental state of the student throughout the day are never known although students would like to share this with the SDS but it can be tedious to go to the office or book a session just to express a simple current mood status so that note can be taken but this need not turn into a discussion. Other issues arise when students miss classes because the class timetable versions changes and they are

not aware of this. Students are overwhelmed by tasks that are not clearly stated and noted. Generally the creation on a schedule seems absurd to some students because they see no need of one as they have never used one.

Similar to Moday.com,trello and asana we propose a system to keep track of every class to be attended, every consultation session that can be scheduled. These consultation sessions can be cancelled or requested through the site without having to wait long for a response as changes will be made immediately on the SDS session table database.

We propose a system to keep track of every class attended, every consultation session scheduled, and all mood changed throughout the day. The system will automate daily

to-do tasks that must be ticked/checked after completion to display daily completion progress. The system will allow the student to select current mood before task by making use of emoticons(emoji) choosing.

The system will automatically fill in class times on the student current year/semester of studies and course taken. The system will allow modifications to modules taken as some students have failed and are carrying over modules and need to add them or delete those already completed in the previous year/semester these changes will be updated in the corresponding tables in the database.

Before a slot is booked for consultation a notification will be sent to SDS personnel to verify time selected and another will be sent to the student to notify approval of session this will be work interchangeably if the SDS personnel is the one booking a session with the student. The use mySQL will be implemented to make a link to the development phase using c# and HTML5 + CSS for the (GUI)viewing of menu items and final schedule.

### 3. Software Requirements Specifications

#### 3.1 Data Requirements

The main data requirements are the login information to register the application and communication details for notification purposes.

Reference links that point to any images and web links included.

#### 3.2 Functional Requirements

MEAP will be an online application thus an active internet connection will be necessary.

To use the application, the user needs to register and login to the application on first visit and add login information. Once, he or she logins into the application, they can use all the features.

#### System Requirements/Functions

- Create user's account
- Allow user to log in and log out
- Allow user to update profile
- Display menu options
- Send notifications
- View information for reference purposes
- Generate and display weekly schedule
- · Generate and display daily tasks
- Book sessions both sides (student and SDS)
- Allow authentication based on notifications sent
- Update/Add/delete and modify changes to schedule
- Display progress status
- Download offline weekly schedule or daily tasks

### 3.3 Performance/Non-Functional Requirements

#### 3.3.1 Usability Requirements

Navigating through several pages to access all menu options. Access path on reference links that may point to any additional information, The use of drop down menu options and button click functionality.

#### 3.3.2 Reliability Requirements

Clash proof - Not more than one task can be allocated at the same time, such errors will be picked up and user is to be notified User forgot password authentication

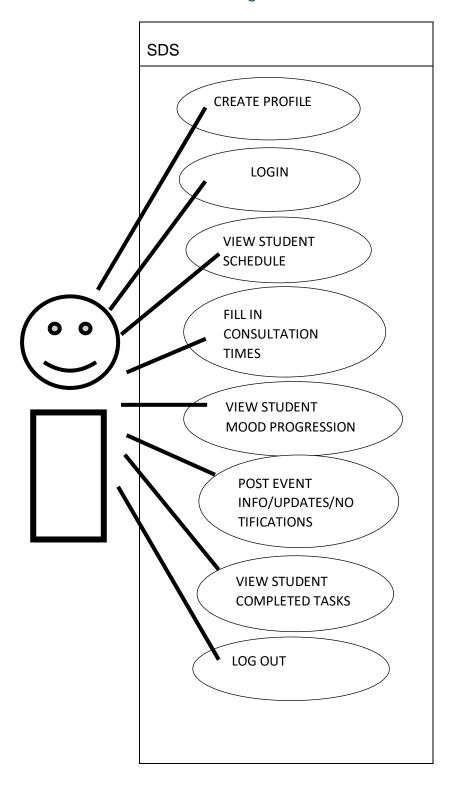
#### 3.3.3 Performance Requirements

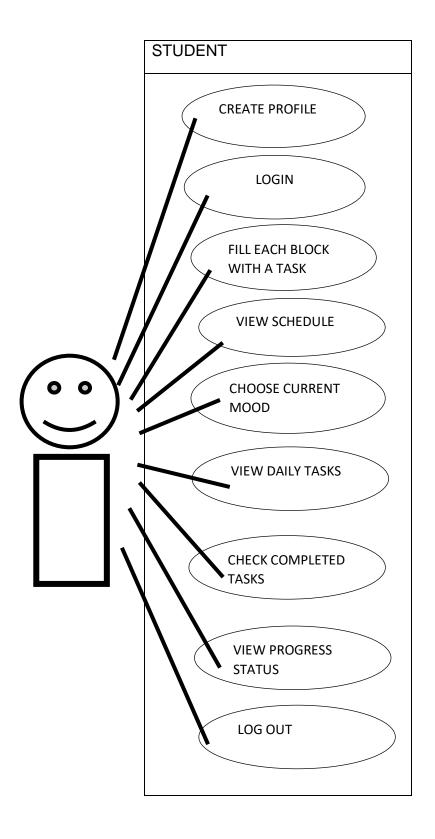
Quick response time when navigating through the pages available.

#### 3.3.4 Security Requirements

Access to the web page will be password protected for use authentication.

# 4. Use case diagrams

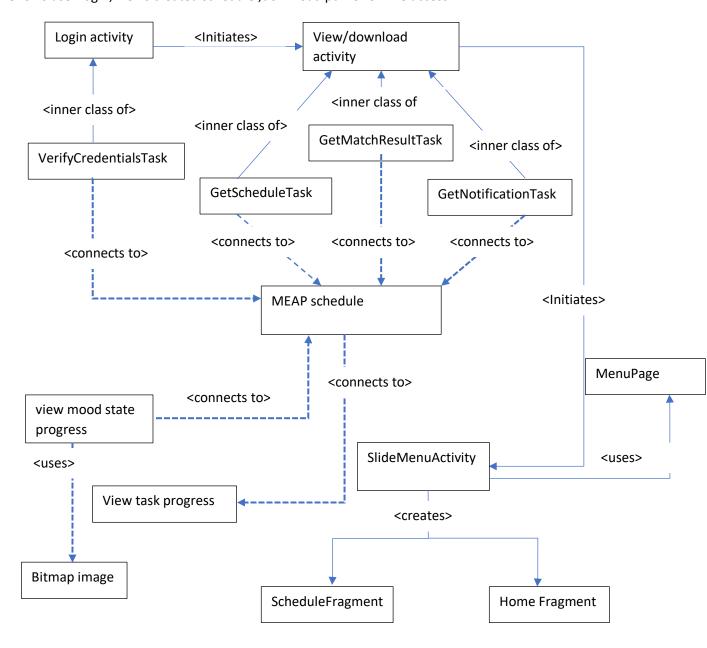




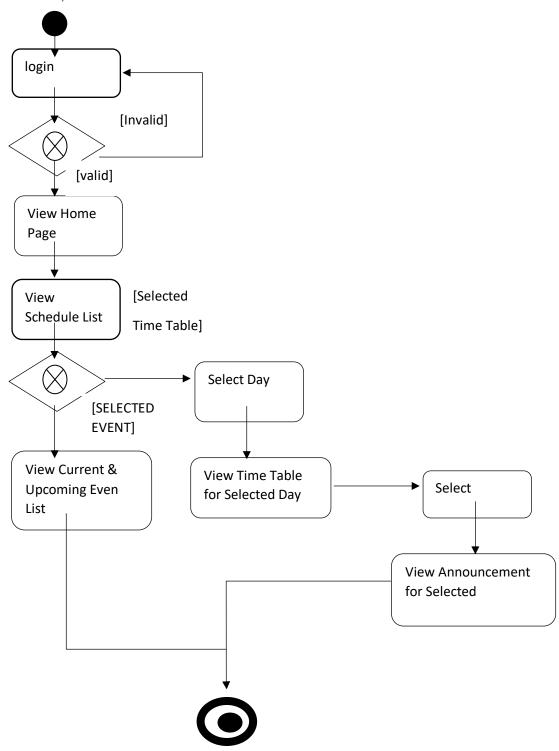
#### 5. Business Process

#### 5.1 Overall class relations

Shows user login, views created schedule, download pdf for offline access

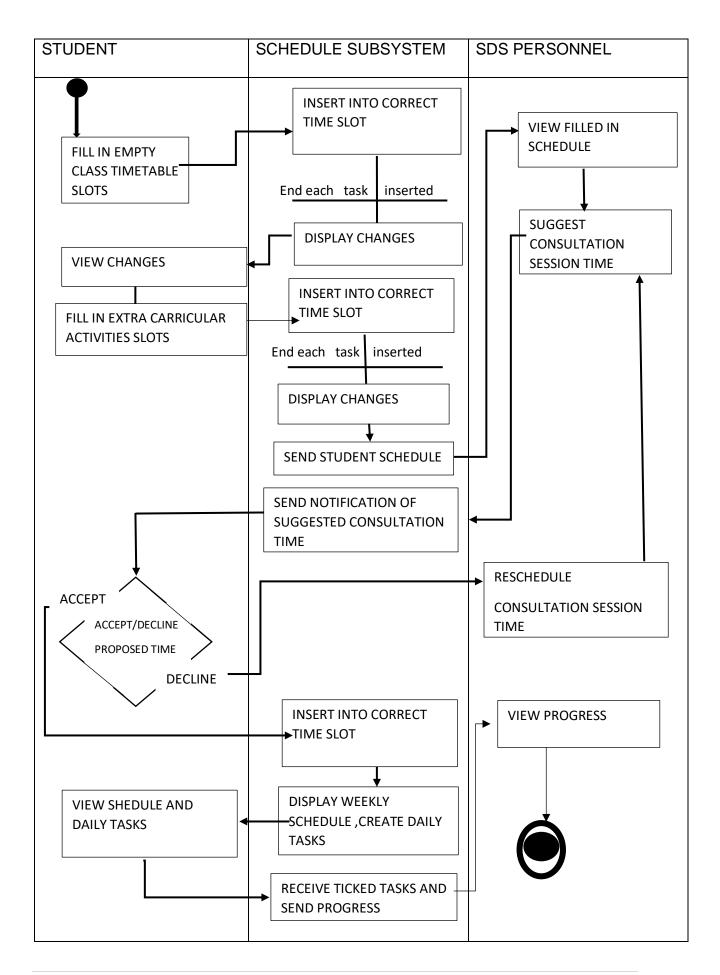


#### 5.2 System tasks



#### 5.3 Activity diagram between entities

This diagram shows a simple view of operation in MEAP application. The user logs in, views schedule, make changes to some slots, choose current mood and check in completed tasks



## 6. PLANNING

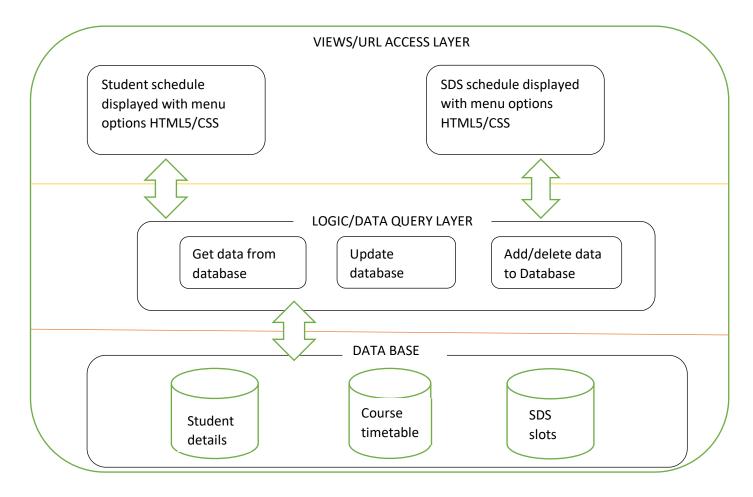
# 6.1 WORK BREAKDOWN STRUCTURE

Stage	Duration	Tasks	Deliverables
Planning and	5 days	Construct DBMS	Database systems
analysis	Due 28 <sup>th</sup> May	Formulate c#	C#, MySQL and
		code and HTML5	HTML5 code
		and mySQL	Present proposal
		database	Demonstration
		Proposal	implementation
		presentation	ERD Test case
			document
Design and	9 days	Finalize GUI	Code, DB file
Development	Due 10 <sup>th</sup> June	Create DB file	Codo, BB IIIo
20101001110111		0.000.000000000000000000000000000000000	
Testing and	Due 10 <sup>th</sup> June	Upload and	Demonstration
implementation		download	
		functionality	
		Input validations	
		Prepare	
Dunings finalings		demonstration	Damanatuatian
Project finalisation	-	Presentation	Demonstration and
			presentation of functioning fully
			system
			System

#### 6.2 Guantt-chart



### 7.SYSTEM OVERVIEW



## Front End:-

#### Visual Studio.net-Front End

- GUI
- DATABASE MODELLING
- CONTROL DESIGN

