Application that helps ease the lives of university students. - "My Study Life"

Introduction:

My Study Life is a cross-platform planner for students designed to make your study life easier to manage. It allows you to store your classes, homework and exams in the cloud making it available on any device, wherever you are. Unlike a paper planner or school diary, My Study Life integrates all areas of your academic life - see homework due and overdue for classes, classes which conflict with your exams and even add revision tasks for a specific exam - all in a free, easy to use application. Far from our standard calendar, My Study Life is optimized to work for your school life right from the start with support for week and day rotation schedules. Add your classes and view them in a beautiful, instantly identifiable, familiar week view.

My Study Life seamlessly syncs your data between devices, allowing you to use the app even when offline. You can add a task on the move from your phone or tablet and it will be instantly available on the web application.   This application is available for Android, iPhone, and Window devices as well as for web

✓ **FEASIBILITY STUDY**

➢ **Purpose**
My Study life is a planning and organizing application which is used for organizing classes, tasks and exams.
Some of the Essential features of My study Life are as follow:

Track Tasks
Store your tasks – homework, assignments, reminders, and revisions – with ease in the cloud, that can be accessible from anywhere.

Store Exams
Store all your important exams alongside your classes and revision tasks.

Manage your classes
Supporting day and week rotation timetables, advanced academic tear/term support and integration into tasks.

Notifications
It notifies you with reminders for unfinished tasks, upcoming exams and classes before they take place.

➢ **Intended Audience**

This application is intended for students any academic level. It is used to organize and plan the classes, exams, assignments, revisions and so forth. It has features like Academic Years/Terms where the intended users can store their subjects and therefore classes, tasks and exams being visible between a start and end date you set. This way the semester system can also be entertained.
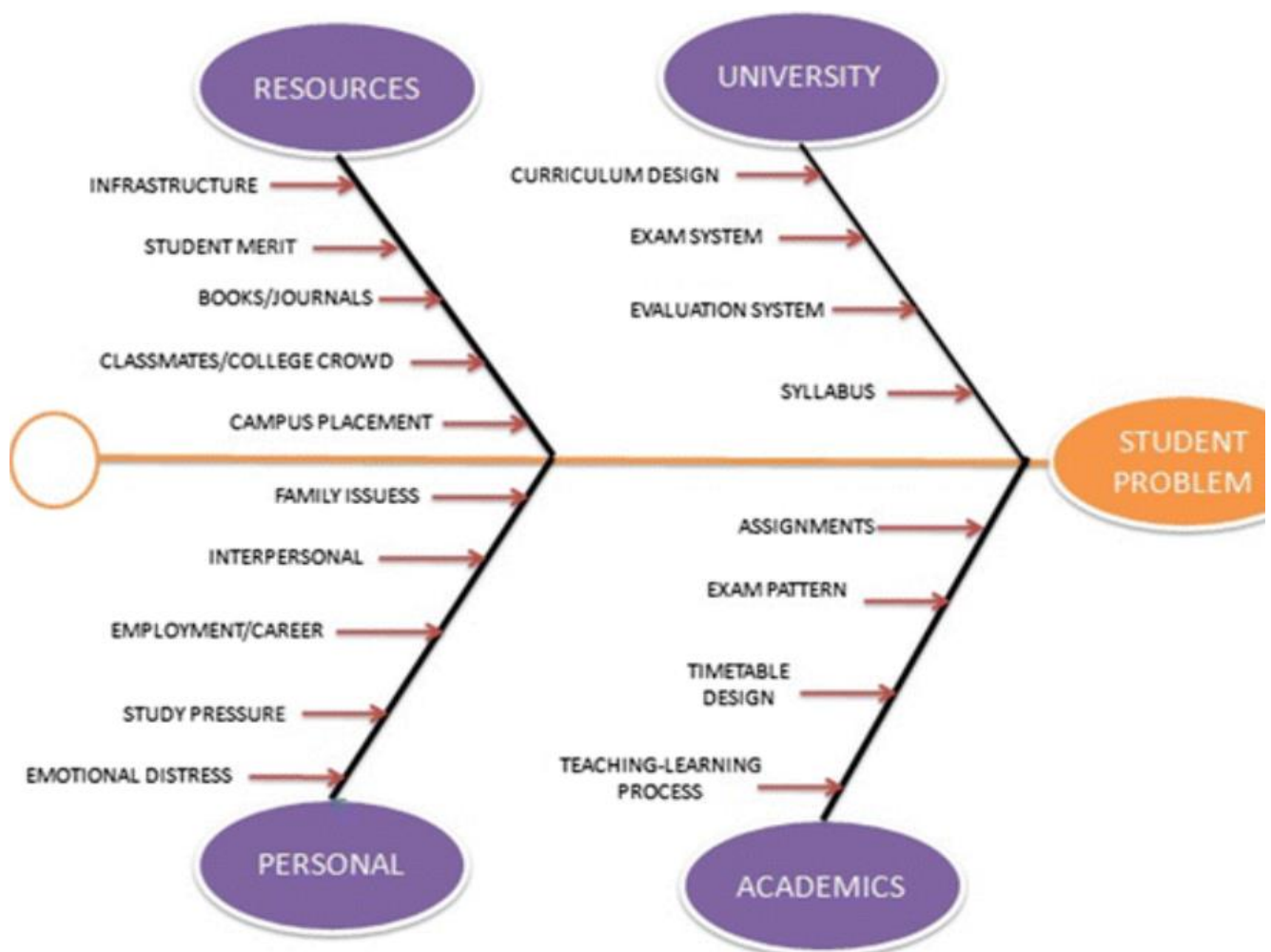
College and university level students can use this application for their annual, biannual/semester classes rotations, days rotations and even week rotations. Since all the data is synchronized on web servers, the users don't need to worry about data loss in case of device change or malfunctioning of any sort.

➢ **Scope**

My Study Life is a planning and organizing mobile application. Unlike most school timetables, My Study Life also manage your classes and exams together with scheduling, tasks, reminders, and syncing.

This application supports both week and day rotation schedules as well as timetables which repeat every week. My Study Life also lets you assign a class to an academic year, and also to its terms and specify custom start/end dates if needed. Holidays feature of this software lets you see which days you have off, and also shift rotation schedules.

✓ **FISH BONE DIAGRAM**

✓ **SRS**

➢ **Overall Description**

1. **Product Perspective**

My Study Life is supposed to be a scheduling and planning application. It has mobile versions as well as web versions available. This product provides simple mechanisms for users to plan and organize tasks.

2. **Product Features**

The following are the main features that are included in My Study Life:

- User account
- Sign up
- Timetable
- Tasks
- Exams
- Settings
- Search
- Reminders

3. **User Characteristics**

It is considered that the user does have the basic knowledge of operating smart phone device and have access to the internet.

4. **Operating Environment**

My Study Life is available in both web and mobile platforms. It operates in the following operating environments:

- Android
- iOS
- Windows 8

➢ **System Features and Requirements**

Sign Up

User can sign up directly for My Study Life using their Facebook, Google or Office 365 account. If user do not have a Facebook, Google or Office 365 account or would prefer to create an account manually, they can do on the signup page.

Subjects

A subject or course is used to group your classes, tasks and exams together. The subject consists of a name and colour, in order to make the subject distinguishable across the application.

Tasks

Tasks in My Study Life allow you to track your homework, assignments, revision and set general reminders.

Revision Tasks

A revision task is a specialized type of a task which allows you to assign the task to an exam. My Study Life allows you to create and track the progress of a number of revisions tasks for a single exam. These tasks are also shown when viewing an exam, reminding you that you may still have some revision left to do. This means that when revising for that all important end of year exam, you can create a revision task per module (or even sub-module) to ensure you're 100% prepared.

Exams

My Study Life allows you to add your exams to appear alongside your classes in your timetable. It will also warn you of any classes which conflict with the exam and lets you track your revision progress using revision tasks.

Academic Years, Terms and Holidays

An academic year and its terms are used to represent your school year and any terms (semesters, trimesters, quarters etc.) that you may have. Both years and terms have start end dates and are used to constrain a class to repeat between those start and end dates.

Scheduling

Academic years also control how your classes repeat. When creating an academic year, you will be asked if your schedule is fixed or rotates on a week or day basis.

Holidays

Holidays allow you to specify dates on which you do not have classes. If you have a rotation schedule, you can also use holidays to push rotation weeks or days.

Timetable

User should see the option to add an academic year. An academic year represents a school year and its terms are used to segment that school year. When creating an academic year user can tell My Study Life how their schedule works (fixed, week or day rotation).

➢ **Functional Requirements**

MODULES	FUNCTIONAL REQUIREMENTS
Sign up	- User can sign up using their Facebook account - User can sign up using their Google account - User can sign up using their Office 365 account - User can sign up by tapping on sign up button using email account

Sign in	• User can sign in using their Facebook account • User can sign in using their Google account • User can sign in using their Office 365 account • User can sign in by tapping on Sign in with email
Dashboard	• User can view their upcoming and current tasks, classes, exams and reminders. • User can add new task from dashboard by tapping on "New Task" • User can view Menu from dashboard
Menu	• Username and email address on top of menu split screen • Dashboard • Calendar • Tasks • Exams • Schedule • Settings
Calendar	• User can view Calendar with respect to either Week or Month by tapping on the drop-down menu. • User can view all the tasks, exams, classes in the calendar with their details. • Upon tapping on a particular date user can view detailed descriptions in the bottom screen section. • User can jump to current date by tapping on the calendar icon on the top right corner of the screen.
Tasks	• User can view all the current and upcoming tasks on the Tasks window. • User can Filter the tasks by tapping on the task at the top of the screen. Filter fields are in terms of School Year or School Term and in terms of Subject. • User can Search a task by tapping on the search icon on the top of the screen. • User can view Past Tasks by tapping on a three-dotted menu widget • .01 on the top right corner of the screen. • User can create a New Task by tapping on the Add Icon in the bottom right corner of the screen
Exams	• User can view their Exams from the Exam screen • User can apply Filter to view Exams in terms of School Year/Term or Subject • User can also view Past Exams by tapping on screen menu • User can tap on the listed Exam to view details in a new screen • User can add New Exam by tapping on Add

Exam View	• User can see all the details of the Exam in this module. • Users can Edit the details by tapping on Edit.
Schedule	• User can view on their Class Schedule and Holidays Schedule in the main screen of this module. • User can filter their view by Academic Year/Term or Current • User can Edit Academic Year by tapping on three-dotted menu • User can add New Academic Year • User can manage Subjects • User can Add New Class by tapping on Add
New/Edit Academic Year	• User can Edit Start and End date of the Academic Year • User can select Scheduling options: Classes occur on the same day every week, Weekly rotations, Daily rotations • User can Add a New Term • User can either Save or Discard their changes
New Academic Term	• User can enter Term Name • User can select start and end dates of the Term • User can either Save or Discard their changes
Settings	• General Settings • Reminders • Feedback & Support • Privacy Policy • Terms of Use • Sign Out
Remainders	• Set on or off • Set class reminders • Set Exam reminders • Set Task reminders to on/of
Sign Out	• User signs out of the application

➢ **Non-Functional Requirements**

- ▪ Performance
  The system must be interactive and the updates must be fast. So, in every action-response of the system, there are no immediate delays.
- ▪ Scalability
  The app should be able to adopt itself to increased usage or able to handle more data as time progress.
- ▪ Responsiveness

The application should be responsive to the user input or to any external interrupt which is of highest priority and return back to same state

- Usability
  User should be able to understand the flow of app easily, that is users should be able to use the app without any guideline or help from manuals.
- Reliability
  The application should be reliable to perform the business, i.e., when user perform some action, it should be acknowledged with confirmation.
- Availability
  The user can access the application to install and look for regular updates and give feedback from Google Play store
- Security
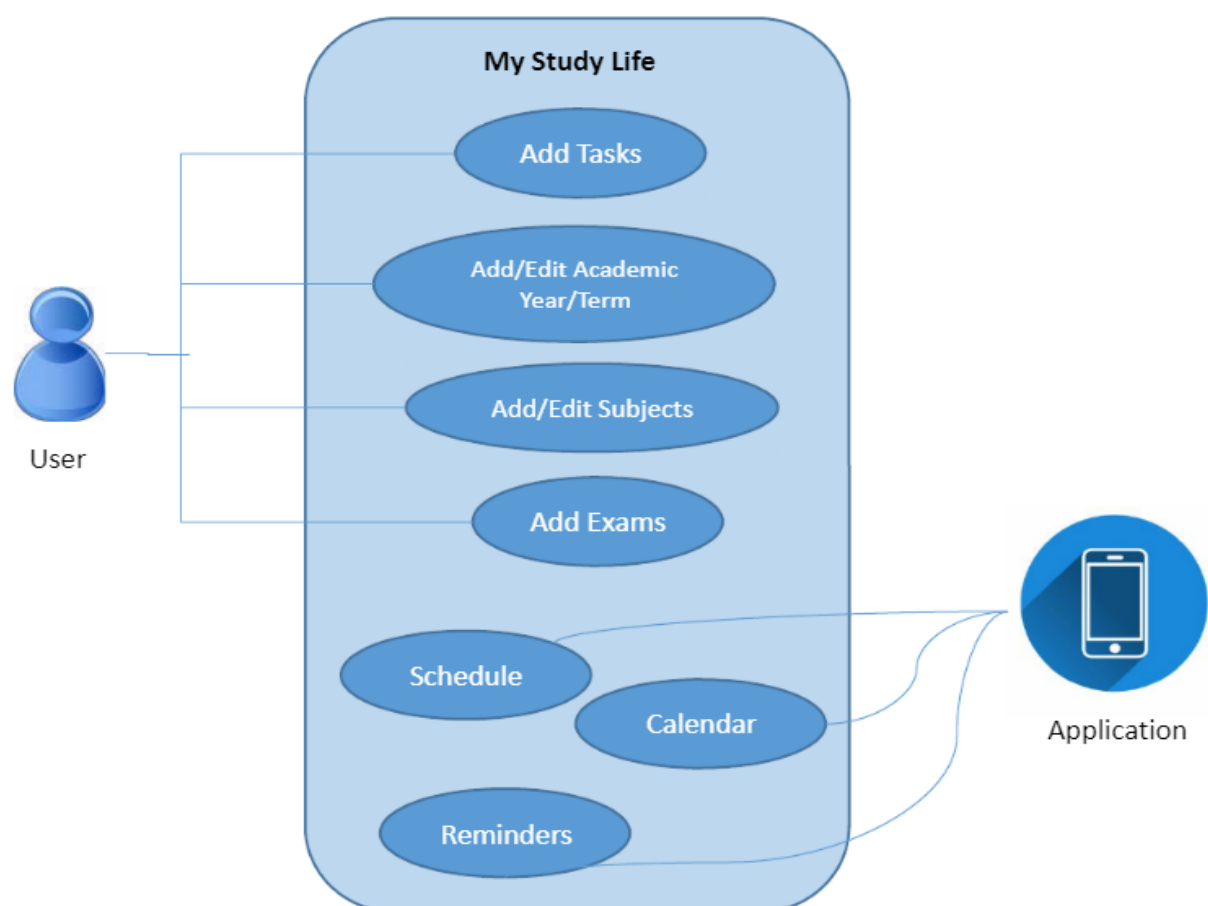 Passwords will be saved encrypted to ensure the user's privacy.
- Network Coverage
  The app should be able to look out for Wi-Fi, if it's not available then it should automatically switch to mobile network.
- Screen Adaption
  The application should be able to render its layout to different screen sizes, along with automatic adjustment of font size and image rendering

✓ **USE CASE DIAGRAM**

✓ DATA FLOW DIAGRAM

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┌─────────┐   Add Year, Tasks,      ┌─────────┐                    ┌─────────┐
│         │   Subject, Exams        │         │                    │         │
│         │ ──────────────────────> │         │   Stores Data      │         │
│         │                         │   MY    │ ─────────────────> │         │
│  USER   │   Generate Reminders    │  STUDY  │                    │  CLOUD  │
│         │ <────────────────────── │  LIFE   │                    │         │
│         │                         │         │                    │         │
│         │   Can View Schedule     │         │                    │         │
│         │ ──────────────────────> │         │                    │         │
└─────────┘                         └─────────┘                    └─────────┘
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