SOFTWARE REQUIREMENT SPECIFICATION

OF

MY STUDY LIFE
(Android Mobile App)

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1. INTRODUCTION

My Study Life is a free online planner for students, teachers and lecturers designed to make your study life easier to manage.

My Study Life is a cross-platform planner for students, teachers and lecturers designed to make your study life easier to manage. *My Study Life* allows you to store your classes, homework and exams in the cloud making it available on anydevice, 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 afree, easy to use application. Far from your standard calendar, *My Study Life* is optimized to work for your school life right from the start with support for weekand 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 usethe app even when offline. You can add a task on the move from your phone ortablet and it will be instantly available on the web application.

This application is available for Android, iPhone, and Window devices as well asfor web, but for the sake of this project report, I will be planning and executingtests only on an Android mobile device.

1.1. Purpose

My Study Life is a planning and organizing application which is used fororganizing 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 revision -- with ease inthe 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 year/term support and integration into tasks.

Notifications
It notifies you with reminders for unfinished tasks, upcoming exams

andclasses before they take place.

1.2. Intended Audience

This application is intended for students and teachers of 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 theintended 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 and teachers can use this applicationfor their annual, biannual/semester classes rotations, days rotations and even week rotations. Since all the data is synchronized on web servers, theusers don't need to worry about data loss in case of device change or malfunctioning of any sort.

1.3. Scope

My Study Life is a planning and organizing mobile application. Unlike mostschool 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 astimetables which repeat every week. *My Study Life* also lets you assign a class to an academic year, and also to it's 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.

1.4. References

https://play.google.com/store/apps/details?id=com.virblue.mystudylife&hl=en
https://www.mystudylife.com/

2. OVERALL DESCRIPTION

2.1. 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.

2.2. 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

2.3. User Characteristics

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

2.4. Operating Environment

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

- Android
- iOS
- Windows Mobile
- Windows 8

2.5. Dependencies

This software highly depends on type of version of browser and/or mobile operatingsystem being installed. Browser version should be used which have HTML5 support.Android 8+ version should be used. Windows 8+ operating system is supported. iOS10+ version should be used.

2.6. Design and Implementation Constraints

This application is provisioned to be built on the Hybrid framework which is highlyflexible. The data on this software is being constantly updated by millions of users worldwide. Decision regarding which database to use should be taken considering the fact that data being exchanged or stored is large, and the appropriate data management system will yield efficient performance.

3. SYSTEM FEATURES & REQUIREMENTS

3.1. System Features

- **Sign Up**
  User can sign up directly for *My Study Life* using their Facebook, Googleor 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 doon the sign up page.User will be asked whether they are a student or teacher and to provideor confirm their details.

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

- **Classes**
  Also known as lessons, classes in *My Study Life* can be a one-off event(such as an extra revision session for Computing) or a recurring eventwith multiple occurrences. Once the class has been created its type cannot be changed.

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

- **Exams**

  My Study Life allows you to add your exams to appear alongside yourclasses in your timetable. It will also warn you of any classes which conflict with the exam and lets you track your revision progress usingrevision tasks. An exam belongs to a subject and must have a date, start time and duration. All other fields such as module, seat and room are optional.

- **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.

- **Timetable**

  User should see the option to add an academic year. An academic year represents a school year (e.g. September 2015 – July 2016) and its termsare used to segment that school year. When creating an academic year user can tell *My Study Life* how their schedule works (fixed, week or dayrotation). You can read more about academic years and terms here.

3.2. 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 there Office 365 account • User can sign up by tapping on sign up button using their 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 there Office 365 account • User can sign in by tapping on “Sign in with email”
New User	• User can enter their school year tenure • User can submit school start date • User can submit school start time
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 orMonth by tapping on the drop down menu • User can view all the tasks, exams, classes in the calendarwith 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 calendaricon 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 ofthe screen. Filter fields are in terms of School Year or SchoolTerm and in terms of Subject • User can Search a task by tapping on the search icon on thetop of the screen • User can view Past Tasks by tapping on a three-dotted menuwidget 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
New Tasks	• User can select a Subject from Subject drop-down menu • User can also add a new subject from the Subject drop-down menu • User can choose the type of the task from the drop-downmenu. Choices are: Assignment, Reminder, Revision • User can select a date by tapping on the Date field, andselecting the date from the popped-up calendar • User can add the Title of the task • User can enter Details about the Task in the Detail field • In case of a Revision Task, user can also select the Exam for which the Revision is for • After filling all the fields user can Save their task by tapping on "Save" • If the user wishes not to save the task, they can tap on Close. A message box should pop-up for confirmation of discarding the task
Exams	• User can view their Exams from the Exam screen • User can apply Filter to view Exams in terms of SchoolYear/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 newscreen • User can add New Exam by tapping on Add
New Exam	• User can set Academic Year/Term to add the exam for

	• User can add a new academic year/term to add the exam • User can select subject from a drop-down menu or can adda new subject • User can enter Module • User can add date and time for exam • User can set Duration of exam • User can enter their Seat number • User can enter their Room number • User can check box on Resit if they are giving the examagain • User can save all the data by tapping on Save • User can discard all the changes by tapping on close
Exam View	• User can see all the details of the Exam in this module • Uses can Edit the details by tapping on Edit
Schedule	• User can view on their Class Schedule and HolidaysSchedule 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-dottedmenu • User can add New Academic Year • User can manage Subjects • User can Add New Class by tapping on Add
New Class	• User can select Year/Term or add a new Year/Term • User can select Subject from drop-down box • User can add Module name • User can add Classroom number • User can mention building name • User can add their Teacher Name • User can select if their class Repeats or Does not repeat • User can add Time and Duration of their Class • User can enter Start and End dates of their Class • User can either Save or Discard their changes
New/Edit Academi cYear	• User can Edit Start and End date of the Academic Year • User can select Scheduling options: Classes occur on thesame day every week, Weekly rotations, Daily rotations • User can Add a New Term • User can either Save or Discard their changes

New Academi cTerm	• User can enter Term Name • User can select start and end dates of the Term • User can either Save or Discard their changes
New/Edit Subject	• User can change the Academic Year/Term of their Subjects • User can delete their subjects • User can add or make changes to the Subject Name • User can make changes to the Subject Color • User can either Save or Discard their changes
Settings	• General Settings • Reminders • Feedback & Support • Privacy Policy • Terms of Use • Sign Out
General Settings	• Set First day of the week: Sunday, Monday, Saturday • Show rotation schedules as: Numbers, Letters • Set default start time • Set default duration
Reminders	• Set on or off • Set class reminders • Set Exam reminders • Set Task reminders to on/off
Sign Out	• User signs out of the application

3.3. 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. In case of adding or changing tasks, classes or exams the changes made must appear seamless and immediate. Also connecting to user accounts shouldn't take more than 2 seconds.

- **Scalability**
  The app should be able to adopt itself to increased usage or able to handle more data as time progress. When the user data increases app should be capable of handling them without delay by optimizing the waystorage is done and accessed.

- **Responsiveness**
  The application should be responsive to the user input or to any externalinterrupt 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 usersshould 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 userperform some action it should be acknowledged with confirmation.

- **Availability**
  The user can access the application to install and look for regularupdates and give feedback from Google Play store.

- **Screen Adaption**
  The application should be able to render it's layout to different screen sizes, along with automatic adjustment of font size and image rendering

- **Network Coverage**
  The app should be able to look out for WiFi, if it's not available then itshould automatically switch to mobile network.