

EduDesk

Student Companion Software

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EduDesk

Software Requirements Specification

< Version 1.0 >

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1. Introduction

1.1 Purpose

The purpose of this document is to present a detailed description of the EduDesk student companion software. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate. This document is intended for the developers of the system and anyone seeking to understand the functionality of the system. It will be used as a reference for developing units of the system.

1.2 Scope

This software system will be a multi-purpose academic system for students. This system will be designed to maximize the student's productivity by providing tools to assist in efficient management of resources.

1.3 Conventions and Definitions

The words system, software and application have been used interchangeably in this document but they all refer to the product mentioned in this document.

Priority Dictionary

Number	Priority
0	High
1	Medium
2	Low

2. System Overview

2.1 System Environment

The system will have two deployments: a desktop software and a mobile application. The student will primary work with the desktop software to organize and access their books, create and store

assessment records but also create study time tables and schedules. In addition to that the system will allow a student to organize brainstorming ideas and references. The mobile deployment will provide similar functionality but with limited power. It will have additional functionality such as a reminder alarm. Synchronization functionality will be available for the student to synchronize activities between associated devices.

2.2 Constraints

The performance of the system will depend on the platform on which it runs and other resources available. Since other parts of the system will require a network connection, the program units requiring the connection will not work if the connection is unavailable. System operation and optimal performance will be guaranteed for only those devices whose resource specifications meet the system specification which are to be formerly specified during testing.

2.3 Assumptions and Dependencies

One assumption of the system is that the user knows that for the system to work as intended it will require certain data which the user must provide. Another assumption is that the user is having a proper network connection when working with modules that require it. In addition to that, it is also assumed that the user is running the application on a platform that has enough recommended resources: both hardware and software. Without the conditions stated the software will not work properly or will not even work at all.

2.4 Apportioning of requirements

This specification specifies most of the requirements of the system. In case that the development of the system is, some requirements may be implemented in the next version of the application or added to the existing system as an upgrade.

3. Special Requirements

3.1. Communication Interface

The synchronization module will handle data transfer between the two devices. Security protocols will be implemented accordingly. The File Transfer Protocol (FTP) will mainly be used for the transfer and others if required.

4. Main Features

#	Feature Name	Alias	Description	Priority
1	EduBooks	EDBooks	An electronic document module that will allow the student to add and manage their electronic documents	0
2	EduReader	EDReader	A multi-format electronic publications reader. Target formats: PDF, Epub, mobi, doc + et cetera	0
3	Assessment Tracker	EDAT	An assessment tracking module for keeping scores	1
4	Note Maker	EDNote	Simple program for making notes. Allowing organization of content into note books	0
5	EduFocus	EDFocus	An active scheduler/alarm that will alert the user of an event on the scheduled time	2
6	EduTime	EDTime	A time management module allowing creation of schedules, reminders and study time tables	2
7	Sync Manager	SyncMan	A synchronization module for synchronizing content from one device to another	2

5. Feature Requirements

This section explains the functionalities that a user must be able to perform under each of the feature modules

5.1 EduBooks

This module will enable a student to

- Create a shelf (virtual shelves)
- Delete a shelf
- Modify shelf details
- View shelf details
- Add books to a shelf
- Remove books from a shelf
- View books in a shelf
- Open a book

5.2 EduReader

This module will enable the student to

- Open a book
- Look up a word meaning from the integrated dictionary
- Bookmark pages
- Print books
- View reading patterns information
- Install format extensions

5.3 Assessment Tracker

This module will enable the student to

- Create subject file
- Create assessment entry
- Assign grade to assessment entry
- Modify grade to assessment entry
- Delete assessment entry
- Delete subject file

5.4 Note Maker

This module will allow the student to:

- Create note books

- Create note pages
- Add notes
- Move note pages into note books
- Modify note book details
- Modify note pages
- Delete note books
- Delete not pages

5.5 EduFocus

This module will allow the student to:

- Create sticky notes
- Scribble ideas (ideal for touch screens)
- Organize sticky notes into topic files

5.6 EduTime

This module will allow the student to:

- Create study time tables
- Modify time tables
- Delete time tables
- Create schedules
- Modify schedules
- Delete schedules

5.7 Sync Manager

This module will allow a student to:

- Synchronize notes
- Synchronize books
- Synchronize EduFocus topic files
- Synchronize EduTime time tables and schedules

6. Appendix A: To be determined list

6.1 Graphical User Interfaces

6.2 Plugin support

6.3 Databases

6.4 Security

6.5 Software Support

6.6 Contribution and Payments