



VISION DOCUMENT

Project

Jacob Girskey & Peyton White

1: Introduction

1.1 Purpose

The purpose of this Vision Document is to define the scope and purpose of the Homework Helper Application. A solid statement of the problem, a proposed solution, and features of the project will be given to help against problems that may arise as well as set expectations going forward with the project.

1.2 Scope

This Vision Document applies to the Homework Helper Application. The application will be developed with C# on Microsoft Visual Studio 2015. Homework Helper will provide students with a way to organize courses and assignments to help ensure sure they are completed on time.

2: Positioning

2.1 Business Opportunity

This project will be valuable because it will give students a tool to help them focus and organize their homework, which will generate better performance in classes. An increase in performance will result in a positive outlook on the application.

2.2 Problem Statement

The problem that college students face is that they have many classes with assignments that are all due at different times. They need a way to organize and define exactly what is due and when it is due. Without structure and organization, students can become unaware of the number of projects or assignments that must be completed and this can negatively affect grades. A successful solution would be an application that can help students organize and track exactly what they have due when it is due. The product would be a more efficient means of scheduling than a planner that many students do not utilize.

3: Stakeholder and User Descriptions

3.1 Market Demographics

According to the US Census report, there are 16 million students enrolled in colleges across the United States. This number is only going to grow as time goes on. Two of the stakeholders on this team are currently enrolled in college so our organization can cater directly to what college

students like. Our target is all college students and the size is only growing which will make the use of the application more successful. Students waste time and money on classes that they fail, and this application can help them maintain a high GPA and manage their classes and assignments in the time that they are enrolled in school.

3.2 Stakeholder summary

Name	Description	Role
Software Engineer	This stakeholder leads the development of the application.	Designs and implements the project.
Software Engineer	This stakeholder leads the development of the application.	Designs and implements the project.

3.3 User Summary

Name	Description	Stakeholder
Students	Primary end user of the application	Self

3.4 User Environment

1. The Homework Helper application will be used by students in any year of school.
2. Students can use the application during the academic year to help keep track of due dates and assignments.
3. The application will be computer-based, and the user can add courses and assignments whenever necessary.

3.5 Stakeholder Profiles

Jacob Girsky

Description	A developer of the application.
Type	Software engineer
Responsibilities	To design and develop the application.
Success Criteria	To complete the application in the time and with the requirements that have been given.
Involvement	To design and develop the application.
Deliverables	None

Comments / Issues	Not much experience programming in C#.
--------------------------	--

Peyton White

Description	A developer of the application.
Type	Software engineer
Responsibilities	To design and develop the application.
Success criteria	To complete the application in the time and with the requirements that have been given.
Involvement	To design and develop the application.
Deliverables	None
Comments / issues	Experience programming in C#.

3.6 User profiles

Student

Description	Any individual who has classes and assignments that need to be organized and tracked.
Type	Casual user
Responsibilities	To use the application
Success criteria	The application can help to organize classes and assignments, and consequently make the user more successful.
Involvement	To be the primary users of the application.
Deliverables	None
Comments / issues	None

3.7 Key stakeholder or user needs

Need	Priority	Concerns	Current solution	Proposed solution
Convenient	High	It should be very quick and easy for a user to add on a new due date or assignment	See proposed	Provide a simple menu with all necessary options available for the user.

3.8 Alternatives and competition

Other applications that are also trying to cater to students with a simple yet functional interface.

4. Product Overview

4.1 Product Perspective

This product is completely independent, and not part of a larger system. This system allows the user to manage and organize their school schedule and homework through a computer-based application. Each view allows the user to edit certain details about their agenda.

4.2 Summary of capabilities

Customer Benefit	Supporting Features
Easy to use interface	A simple tab to tab method allows the user to quickly learn the structure.
Organization	Allows the user to be organized quickly and efficiently.

4.3 Assumptions and dependencies

1. The user is a college student and has ability to understand the application.
2. The user can type.
3. The user can browse and understand a system due to repetitive use.
4. The user has no disabilities that would impact their use of the application.
5. The main language is English.

5. Product features

5.1 User Features

1. Login/user entrance screen
2. Homework screen
3. Courses screen
4. Edit user input

5.1.1 Ability to record information and details about Homework

1. Date and time due
2. Select what course it is for
3. Give a description of assignment

5.1.2 Ability to give details about courses

1. Give course name
2. Give course number
3. Give course data and time requirements

5.1.3 Ability to edit user input

1. Edit dates and times
2. Edit descriptions
3. Edit details about courses
4. Edit details about homework
5. Removing homework or courses

5.2 Profile Features

1. Tab for viewing Homework
2. Tab for viewing courses

5.2.1 Viewing selections

1. Selection for edit
2. Selection for add
3. Selection for remove

5.3 System Features

1. Start application
2. Exit application

6. Constraints

6.1 Usability

1. Help system
2. Customizable features
3. Adding new tabs

9. Other product requirements

9.1 Applicable standards

None specified.

9.2 System Requirements

The application must be run on Windows.

9.3 Performance requirements

None specified.

9.4 Environmental requirements

None specified.