**Introduction to Computer Science Final Project**

**Collection of Independent Works**

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**1. Introduction**

**1.1 Purpose**

The purpose of the project, to help students with Calculus complex problems.

**1.2 Intended Audience**

I created this project to help next freshmen students to know how to implement coding in math. Also, not only UCA students can use all the codes, but other university students, teachers etc.

**1.3 Product Scope**

These codes were written during two semesters of study in Calculus. This website will allow students to see the code I wrote and study it. In the future, I want to translate all the codes into a website, a phone application, when I still collect other complex mathematical codes so that it is more efficient and user-friendly.

**2. Product Description**

 My project is based on Calculus math problems 1 and 2. There is a code for more than 15 of the most complex topics of Calculus, which automatically solves any complex problem in a short period of time. Each line of code has a description, and it can also be copied and modified.

**2.1 About this website**

Independent Works are based on Calculu1 and 2 topics. There is a code for more than 15 of the most complex topics of Calculus, which automatically solves any complex problem in a short period of time. Each line of code has a description, and it can also be copied and modified.

**2.2 Our Goals**

Our other goals include but are not limited to:

1. A platform where students can solve complex math problems.

2. Platform will have all Calculus Topics included.

3. A platform where you can see clear graphs for every function.

4. Not only two dimensional graphs but 3D as well

5.Promoting

**2.3 Targeted people**

Students (especially freshmen students and student who are taking Calculus 1 and 2), Instructors etc.

**2.4 Why it is necessary?**

Personally, when I firstly heard about the Independent Works, I even didn’t know what it is. So, I was asking my instructor to give me sample, but he didn’t have. Now I want to student do not struggle with finding the sample.

**3. Project Management**

**3.1 Plans and Goals**.

For now, I am planning to continue collecting codes and commit it in my GitHub. Then I’m going to make a survey to know which topics are hard for students and write code for this firstly. Then my huge goal is to implement coding on ALL Calculus 1 and 2 topics, with graphs and steps of calculations.

**3.2 Members**

Aisha Toichieva

**3.3 Budgeting**

For now, we are working on our own. I would be asking my University for payment of the domain.

**4.1 Marketing**

I would be using the Instagram and Facebook pages of our University (UCA) for the advertisement of my codes. Moreover, I would go in person and organize events, where we would launch our product. Furthermore, I would ask our teachers and alumni association to promote our product.