

# Project Proposal

CSE 4510

**Main Proposal:**  
**Highbrow**

Academic Blog

Page - 3

**Secondary Proposal:**  
**NoCash**

Online Financial Service

Page - 7

[Md. Nafis Faiyaz 180041101](#)

[Ishmam Tashdeed 180041105](#)

[Tauseef Tajwar 180041109](#)

# Table of Contents

<b>Proposal for Highbrow</b>	<b>3</b>
Project Description	4
Features	4
Technical Requirements	5
Timeline	5
<b>Proposal for NoCash</b>	<b>7</b>
Project Description	7
Features	7
Technical Requirements	8
Timeline	8
<b>About us</b>	<b>9</b>
<b>Contact us</b>	<b>9</b>

# Software Project Proposal

Tintin Inc.  
Nafis Faiyaz  
Ishmam Tashdeed  
Tauseef Tajwar  
Gazipur, Bangladesh

CSE 4510  
Tareque M Chowdhury  
Sadia Sharmin  
Gazipur, Bangladesh

7th May, 2021

Dear sir,

We would like to thank you for meeting with us and sharing your software project requirements for CSE 4510. We have put together some software project proposals for your approval. Please feel free to ask any questions.

## **Introduction**

Tintin Inc. is an IT company which develops Software projects. We have been providing software solutions for the past two years to multiple business sectors. Our company is based in Bangladesh, but our services are provided worldwide. Our approach is to capture our client's business requirements and develop various customized software to meet their business needs.

## **Proposal for Highbrow**

### **Overview**

Today, every business in the world needs a dedicated software to run operations successfully and increase productivity. Data plays a major role in any organization. Our company ensures our customer for reliability and data security. With a fast growing business, it becomes extremely challenging to maintain the records of sales, inventory and taxes, manually. The software provides an automated system which works on a real time basis for companies. For any business, software is now a prerequisite to performing day-to-day tasks.

### **Scope**

CSE 4510 is undoubtedly one of the most overwhelming businesses which involves a lot of processes

that if done correctly, would ensure the smooth and profitable running of the business. We provide software solutions to help the owners, through automated tools, to run the business smoothly. This lessens the burden of the management and provides better sales and good customer service.

## Project Description

### What are the client's problems?

With the passage of time people are becoming increasingly aware about the necessity and importance of academics in their lives. In this era of the internet, learning has become easier than ever. However, one of the problems that people face is that cyberspace lacks a platform which **solely** focuses on **academic networking**. Websites like Medium, Youtube, Academia.edu provide some of the facilities which allow users to share their academic endeavours. But none of these websites solely focus on academics which often becomes a reason for distraction from academics. Apart from that, Youtube is a website that only allows video content and Medium does not allow users to post more than 2 posts a month for free.

### How are you going to solve the problems?

Our solution is a novel website named **Highbrow** that is designed to be a networking hub for people who want to learn more about their specific academic interests where they will also be able to share their knowledge with the world. The user will be able to post about their recent academic endeavours. They will also be able to follow specific topics that interest them to see what new things people are exploring when it comes to those topics. The website will focus only on academics thus making it a focused app for scholastic enthusiasts. This is a novel idea that has huge demand among people.

## Features

- **Users**
  - **Sign Up:** Users will be able to create their own account.
  - **Login:** Users will be able to login to their created account.
  - **Following:** Each user will have the option to follow other users.
- **Topic**
  - **Follow topic:** Users will be able to follow as many topics as they like.
- **Post**
  - **Post creation:** Users can share posts that they want to share with the world.
  - **Edit / Delete:** Users will be able to edit or delete any of their own posts.
  - **Like & comment:** Users will be able to like and comment on any post.
  - **Topic of the post:** Each post will have one or more topics. The posts can be found under the respective topics they are labeled under.
  - **Save posts:** Users will be able to save posts for later reference.
- **User notifications:** Users will be notified about certain events.
- **User friendly UI:** The user interface will be accessible and easy to use.
- **Exploration feed**

- **Display posts from following topics / people:** Each user will have their own customised feed where posts from their followed topics/users will be available.
- **Profile view**
  - **Edit profile:** The users will be able to edit any information in their profile.
  - **All the previous posts from the user:** The user will be able to see everything they have ever posted in their profile view.
  - **Saved posts:** The users will have a separate tab where they can view the posts that they have saved.
- **Report abuse:** The users will be able to report any post that they think is inappropriate and the platform will evaluate it.

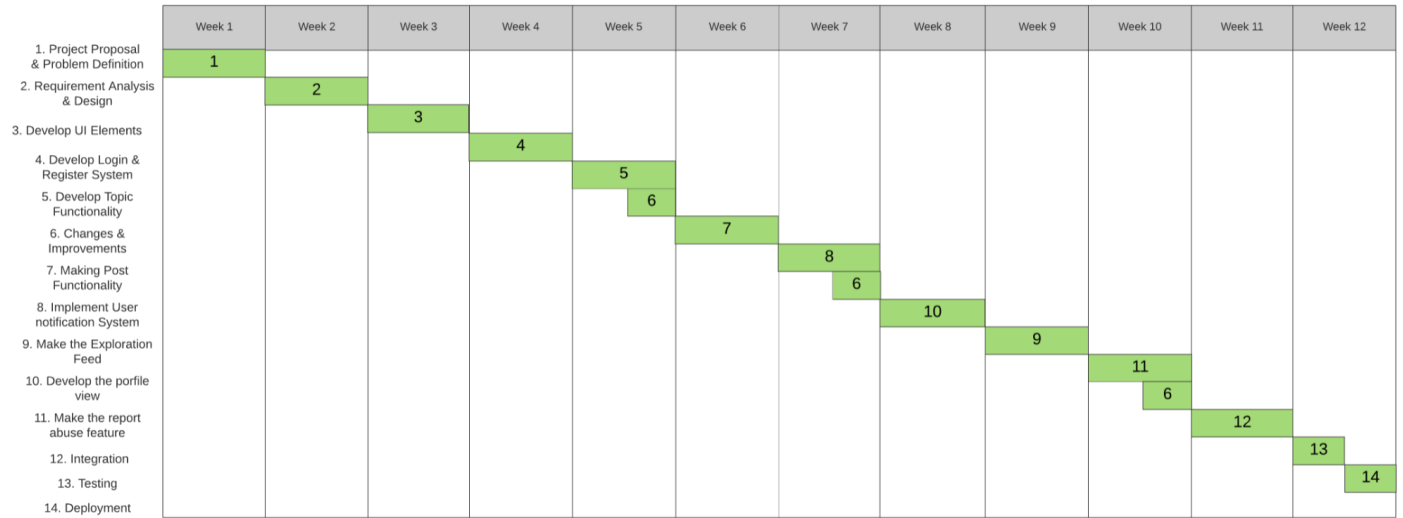
## Technical Requirements

- **Project Type:** Web Based Application
- **Operating system:** Independent
- **Language:** Python, Javascript, HTML, CSS
- **Hardware**
  - Website hosting server
- **Software**
  - Internet browser
  - Code editor

## Timeline

The project will take approximately 11 weeks from the date of confirmation.  
The timeline and process steps are listed below:

- **First Step:** week 1
  - **Problem Definition and Project Proposal**  
Formally define the problem and present a proposal for the project planning.
- **Second Step:** week 2
  - **Requirement Analysis**  
Gather data about user requirements and prepare the structural design of the project.
- **Third Step:** week 3 - week 11
  - **Development & Improvement**  
Implementing the features and improving them iteratively. Integrating all the features together.
- **Fifth Step:** week 12
  - **Testing & Deployment**  
Test the whole system and deploy for users.



**Figure:** Weekly Gantt Chart.

# Proposal for NoCash

## Overview

Today, every business in the world needs a dedicated software to run operations successfully and increase productivity. Data plays a major role in any organization. Our company ensures our customer for reliability and data security. With a fast growing business, it becomes extremely challenging to maintain the records of sales, inventory and taxes, manually. The software provides an automated system which works on a real time basis for companies. For any business, software is now a prerequisite to performing day-to-day tasks.

## Scope

CSE 4510 is undoubtedly one of the most overwhelming businesses which involves a lot of processes that if done correctly, would ensure the smooth and profitable running of the business. We provide software solutions to help the owners, through automated tools, to run the business smoothly. This lessens the burden of the management and provides better sales and good customer service.

## Project Description

### What are the client's problems?

Today's world is moving towards digital payment systems by leaps and bounds. Offline payments have some major drawbacks. People are leaning towards online payments as they want to track their earning and expenses. Also with the rise of more and more e-commerce businesses, cash is becoming obsolete.

### How are you going to solve the problems?

Our solution is a financial service named **NoCash** that enables its users to transfer money online without any inconvenience. People can also use this cashless payment service to buy products or services from any company. Various businesses can integrate their system with our software to receive payments from their customers. Even banks can ensure secure payment and loans using this.

## Features

- **User Type**
  - NoCash Personal
  - NoCash Agent
- **User Account**
  - **Sign Up:** Users will be able to create their own account.
  - **Login:** Users will be able to login to their created account.
  - **OTP:** A one time password sent for login
- **Cash In**
  - Depositing money in one's account
- **Send Money**
  - Transferring account from one account to another

- **Cash Out**
  - Withdrawing money from one's NoCash account.
- **Payment**
  - When one pays from his/her NoCash account to a seller against a product or service he/she purchases.
- **Account Statement**
  - Check balance
  - Request statement

## Technical Requirements

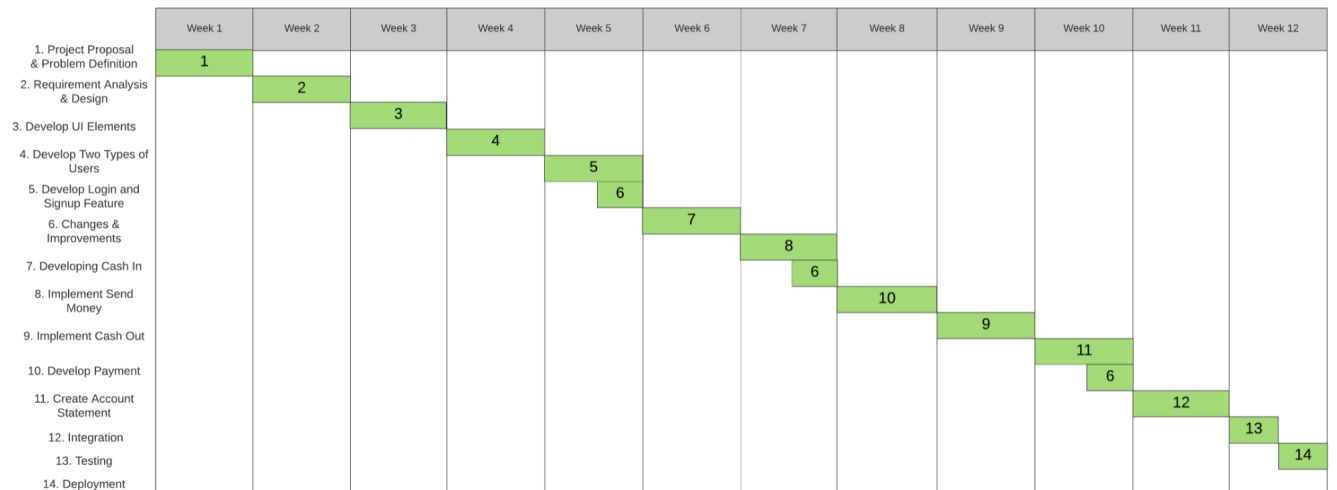
- **Project Type:** Web Based Application
- **Operating system:** Independent
- **Language:** Python, Javascript, HTML, CSS
- **Hardware**
  - Website hosting server
- **Software**
  - Internet browser
  - Code editor

## Timeline

The project will take approximately 11 weeks from the date of confirmation.  
The timeline and process steps are listed below:

- **First Step:** week 1
  - **Problem Definition and Project Proposal**  
Formally define the problem and present a proposal for the project planning.
- **Second Step:** week 2
  - **Requirement Analysis**  
Gather data about user requirements and prepare the structural design of the project.
- **Third Step:** week 3 - week 11
  - **Development & Improvement**  
Implementing the features and improving them iteratively. Integrating all the features together.
- **Fifth Step:** week 12
  - **Testing & Deployment**  
Test the whole system and deploy for users.





**Figure:** Weekly Gantt Chart.

## About us

We are committed to providing high quality software solutions according to your company's needs. Our aim is to develop software finely tuned to match the customers' satisfaction.

## Contact us

You can contact us with any of the following ways:

Phone: +880 1531960091  
 +880 1728569161  
 +880 01765370668

E-mail: [nafis.faiyaz.5@gmail.com](mailto:nafis.faiyaz.5@gmail.com)  
[tauseef.tajwar36@gmail.com](mailto:tauseef.tajwar36@gmail.com)  
[ishmamtashdeed@iut-dhaka.edu](mailto:ishmamtashdeed@iut-dhaka.edu)

We look forward to hearing from you.

Regards,  
 Tintin Inc.