

Group 3

We want to build a project that is social media platform. We want this to be a platform where the alumni and current students and the future students can gather virtually. The project's objective is to enable users to communicate with other people. It allows the user to search for friends. This website provides user the ability to upload the photographs. It also enables the user to leave the scraps & send the testimonials.

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# 1 Introduction

## 1.1 Purpose and scope of project

The purpose and scope of FriendSpace as laid down is noble and broad-to help an individual be included in society and to transform the very society that creates structures that marginalize individuals from full participation in the enjoyment of social services and resources of the community.

Personal engagement in an online space is the core purpose of FriendSpace. It serves to allow individual users to connect with friends in a simple, shorthanded manner, sharing thoughts, news and multimedia content with them. FriendSpace allows users to connect with many of their friends at once through posts that go out to a set list of individuals; it allows them to keep up with their friends and connect directly with individuals through direct messaging.

## 1.2 Product and environment

FriendSpace service is an online platform which people use to build social networks or social relationships with other people who share similar personal or career interests, activities, backgrounds or real-life connections.

FriendSpace environments refer to online spaces where individuals establish and maintain virtual social interactions with others. The purpose of carrying out such virtual social interactions may vary among participants.

## 1.3 Customer's current system and other similar systems

Users while communicating through phone and internet chat. Legal Documents sharing was done with emails and manual file works. In sharing of legal document via email user must be upload a file in email and receiver download a file from email. So, in existing system file sharing task performed by email.

## 1.4 Project constraints

Existing code branch that we have to extend

Technology selection freedom is not there

Time limitations, with other courses and so on.

Existing production system is there, so we need to ensure this system update won't harm production data.

## 2 Project organisation

### 2.1 Group members

5. Md. Raju Shaikh (ID: 181-15-1918) (Team Leader)
6. Md. Ashraful Islam (ID: 181-15-1921)
7. Md. Amirul Islam (ID: 181-15-1748)
8. Md. Imtiaj Sultan Tanvir (ID: 181-15-1954)

### 2.2 Customer

Any valid user.

### 2.3 Related organisations

## 3 Requirements

### 3.1 Functional requirements (main goals)

Main functional requirements are listed below. This mainly includes some fixes in the existing system. Backlog should have them in detail.

- User Sign-up
- User Sign-in
- Edit User Profile
- Post
- Find People
- Find Posts
- Write Comments to any post
- Message conversation
- Recovery Account
- User Logout

### 3.2 Non-functional requirements goals

#### 3.2.1 Usability goals

The usability goal is to have an application which doesn't have usability issues. The goal also is that everything in the user interface is logical and clear to use. In addition the user interface is pretty simple and boring, so something could be done to the user interface.

The application front page needs changes.

We need to have a usability test with the application.

### 3.2.2 Performance goals

Some mechanism may use some refactor which might lead to a shorter time of execution and increase performance.

### 3.2.3 Reliability goals

None, at the moment.

### 3.2.4 Security goals

As the main functionality has a goal related to this, performing that security analysis of the application there might bring up something.

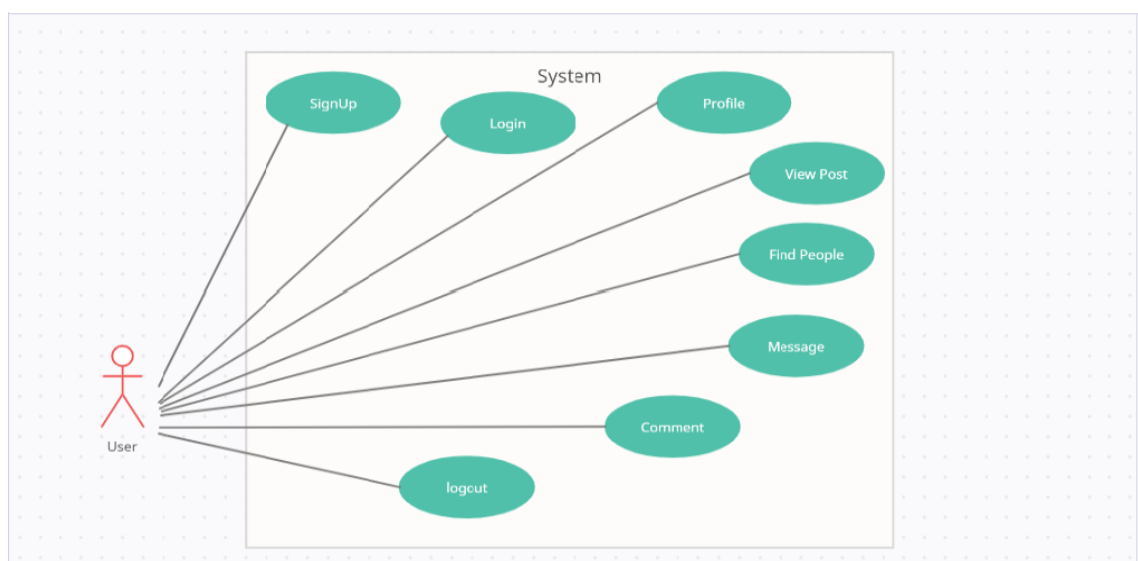
## 3.3 User interface requirements (main goals)

The application will have a user friendly and menu based interface. Following screens would be provided:

- A Main screen containing signin and signup options.
- A Login screen for entering the user email and password will be provided.
- A signup page would also be added a user into the system.
- A Home Page containing a brief introduction of the system.
- A Find People page will help to search any user.
- A Message page will help to messaging with other users.
- A logout option can be disconnect a user from system.

## 4 System Design

### 4.1 Use Case Diagram



## 4.2 Prototype Design

**Invision Link:** <https://friendspace.invisionapp.com/console/share/8J2GJ7M6UQ>

## 5 Risk management

Risk management is the process of identifying, monitoring, assessing and neutralizing threats and roadblocks to a project. Risks could stem from a wide variety of situations such as technical complexities, dropouts, management errors etc. Severe scenarios may cause the project to fail partially or completely.

Implementing a risk management plan could significantly help reduce the chances of a project failure. Carefully monitoring and estimation of potential risks shall certainly help making the project a success.

### a. Risk list

List the identified risks or summary at the start of the project.  
A separate and updated risk list is maintained at MMT.

**Table 7.1. Project risks.**

<b>Risk ID</b>	<b>Explanation , severity/impact , probability , size/importance</b>
<b>Dropouts</b>	
<b>Estimation and scheduling</b>	
<b>Productivity issues</b>	
<b>Gold plating</b>	

Technical risk	
Inadequate resource	

### b. Risk monitoring

Monitoring risks and keeping them in checks are essential to avoid any unexpected circumstances that may jeopardize the project.

Risk management is done at MMT tool.

Steps we would take to monitor risks are:

- Weekly meetings
- Task progress
- Re-assign task to another person if necessary

## 6 References

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## 7 Open issues

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## 8 Ideas for further development

1. Adding the possibility to install the application or add it to desktop
2. Improving the offline user experience (at the moment, when offline, the standard dinosaur game of Chrome begins)
3. Suggesting a UI revamp

## 1. APPENDIX A [...Z]

**Trello Link:** <https://trello.com/webbattalion/members>

**Source Code Link:** <https://github.com/Md-Raju-Shaikh/FriendSpace-Web-Project>