

Social Interest eClub	
Risk Management Report	Date: 27/04/2021

# Social Interest eClub

## Risk Management Report

### 1 Introduction

It is very important to detect risks and find an efficient solution before they happen. If we can not detect high priority risks, we will have difficulties when we continue our development process.

In "Risk Management Report" we will detect and explain possible risks and scenarios. After that we will choose how to avoid those risks.

#### **Risk Identification:**

Risk identification is the process of determining risks that could potentially prevent the program, enterprise, or investment from achieving its objectives. It includes documenting and communicating the concern.

#### **Risk Analysis:**

Risk analysis is the process of identifying and analyzing potential issues that could negatively impact key business initiatives or projects. This process is done in order to help organizations avoid or mitigate those risks.

#### **Risk Planning:**

A risk management plan is a document that a project manager prepares to foresee risks, estimate impacts, and define responses to risks.

#### **Risk Monitoring:**

Risk monitoring is the ongoing process of managing risk. Risk management often has an initial phase that involves identifying risk, agreeing to treatments and designing controls. Risk monitoring is the process of tracking risk management execution and continuing to identify and manage new risks.



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## 2 Description

### Risk No: 1

**Name of Risk:** Work overload

**Description of Risk:** Since our team consists of students, we might not have time to work on this project all together regularly. We have to share work.

### Risk No: 2

**Name of Risk:** Forgotten passwords

**Description of Risk:** Users might forget their Social Interest Club account's password. We have to make a password recovery system for users to get new passwords.

### Risk No: 3

**Name of Risk:** Database crash

**Description of Risk:** Third party database might collapse over time. We have to find a way to recover our database system back whenever it crashes.

### Risk No: 4

**Name of Risk:** Covid-19 Pandemic

**Description of Risk:** We are in a global pandemic situation Covid-19. Our team members might get caught to Covid-19. We have to deal with sharing work.

### Risk No: 5

**Name of Risk:** Infrastructural Updates

**Description of Risk:** We are using well known infrastructures like java and android development. These infrastructures might change over time due to the security and optimisation. we must be aware of the updates.

### Risk No: 6

**Name of Risk:** Underestimated Development Time

**Description of Risk:** We have approximately 1 month to finish this project and be ready for final representation. We have to consider our time restrictions.

### Risk No: 7

**Name of Risk:** Application Crashes.

**Description of Risk:** there is always a probability that application crashes. We must always be ready for crashes.

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**Risk No: 8**

**Name of Risk:** Underestimated Bug Fix Time

**Description of Risk:** While we continue our development of the app, We might give a short time to fix some bugs. So we might not fix the bugs in time.

**Risk No: 9**

**Name of Risk:** Requirement changes.

**Description of Risk:** Requirements understanding might change over time. We need to be ready for requirements changes.

**Risk No: 10**

**Name of Risk:** Unsatisfied Customers

**Description of Risk:** Customers might not like the view of the application. We might want to improve our user experience by using a more stylish user interface.

**Risk No: 11**

**Name of Risk:** Hardware failure.

**Description of Risk:** Our computers will be broken or malfunctioned over time we must consider this risk. We must be ready for replacement of our hardware.

**Risk No: 12**

**Name of Risk:** Poor Database Security

**Description of Risk:** Our database security is curiton for sustainability. we must be sure that our database is secure.

**Risk No: 13**

**Name of Risk:** Server Connection Failures

**Description of Risk:** There is a chance of connection failure between our database and our application. We must take action for this case.

**Risk No: 14**

**Name of Risk:** Database Structural Updates

**Description of Risk:** We might need to update our database structure according to requirements updates. We need to be ready for database structural updates.

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**Risk No: 15**

**Name of Risk:** Personal data Privacy

**Description of Risk:** One user must see only his/or her private data and other shared data. other than that he or she should not see other data.

**Risk No: 16**

**Name of Risk:** Sharing Data Ethics.

**Description of Risk:** Everyday our data ethics is changing according to important events. we must be ready to update our Privacy policy.

**Risk No: 17**

**Name of Risk:** Leaving Group members

**Description of Risk:** we must be ready to motivate group members and we must be sure that our team members are happy with their task.

**Risk No: 18**

**Name of Risk:** Non Visionary Approach.

**Description of Risk:** This risk is a real risk. And this problem will be overcome with experience.

### 3 Risk Management Report Specifications

Description of Risk	How It is Handled / Mitigated
Work Overload	We will share the project work for everyone equally. When somebody is busy at a specific time, we give him/her less work to do. We will give him/her other tasks over time to balance workload.
Forgotten Passwords	User might forget his/her password. We will implement a password recovery system using the user's email address.
Database Crash	One of the admins will go to the Firebase console and restore the app's database back. So we will not lose any data.
Covid-19 Pandemic	There is a high probability that we might get covid positive over time. We must put our masks on and we will not enter crowded areas unless we don't have to.
Infrastructural Updates	The platforms that we are using in our project such as Android OS, Firebase, Android Studio, etc. are getting updates regularly due to

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	security and optimization.. We will keep our app updated.
Underestimated Development Time	We have approximately 1 month to finish our project. We will be in contact everyday via Whatsapp and plan our next move with deadlines.
Application Crashes	Our application might crash during the development process and during the release period. We must take notes of every crash and we must work on why it crashes.
Underestimated Bug Fix Time	We will report the application's bugs regularly and keep control over them. We will fix bugs before moving on to development next step.
Requirement changes	The requirements of the application might be changed or updated via our staff. We will not postpone this update implementation.
Unsatisfied Customers	We will test our app regularly and give feedback to the team. If we detect a change that will be useful for improving user experience, we will implement that immediately.
Hardware failure	We are all using our computers to develop this app project. One of our team member's computers might malfunction or become unusable for development. We will share the work of the project in that scenario.
Poor Database Security	We will apply modern security approaches to our database and if anything changes over time we will apply new approaches.
Server Connection Failures	Our application will inform users about connection failures.
Database Structural Updates	We might need to update our database structure according to requirements updates. We need to be ready for database structural updates.
Personal data Privacy	We will not allow a user to see any data without enough access permission.
Sharing Data Ethics	We will not share our database data with third parties.
Leaving Group members	We will make sure that none of the group members is thinking of leaving. For this we make sure that all of our members are contributing and happy with their jobs.
Non Visionary Approach	We will construct and design our approach to our project before we start implementing.

### Impacts:

#### 5- Highest Impact - Catastrophic

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- 4- Serious
- 3- Moderate
- 2- Tolerable
- 1- Lowest Impact - Insignificant

**Probabilities:**

**%25:** unlikely **%50:** Moderately **%75:** Highly likely

**Owners:**

- Software Project Manager: 21426591 Şafak APLAY
- Software Architect: 21803366 Mehmet Ali Gavcar
- Software Configuration Manager: 21727705 Umut Sunal
- Software Tester: 21827789 Emirhan SELİM
- Software Analyst: 21827258 Osman Fatih Çakır

**Magnitude:** Multiplication of impact and probability