obstacles and challenges

* Analysis Phase
* Designing phase
* Implementation phase

**Analysis Phase**

1-Detect Users’ Requirements

As the biggest concern is to satisfy the users, Because the user is always in a state of evolution and change of requirements, and requirements vary from user to user

, it is really important to detect the users’ requirements and to understand what the users need and want

Solution: we Use a Case studies on a sample teams to know their needs and Requirements.

2-Detect our Users

Other important aspect in the analysis phase is To Detect our Users! , Because it is important to know who and how much the beneficiary of this application

Because of this we can know the probability and attribute success of this application

Solution: we tried to answer the following questions to help us:

* Who are our Users?
* What is the aim of the app?
* Which function does the app have?
* Is the app absolutely new or does it improve an existing one or is it an add-on etc.? (Analyze the innovation level, do some research!)
* Is there a market for the app? (Do a competitor and/or benchmark analysis or user survey!)
* Where will the app be sold? (Selling via the most popular app stores or via extra channels and other/own websites)?

3- Know about Our Users

In the analysis phase it is important to detect The main purpose of Our app is to satisfy the users’ needs and know specific information on them,

Solution: we answered these potential questions:

* Which skills are necessary to use the app and is it necessary to have previous knowledge to use the app?
* Are the potential app user’s novices, experienced or expert users?
* What are your users usually up to?

Designing phase

It was difficult to make it easy for use and friendly with the users And interactive

Solution: in the designing Phase, we try so hard to do it by using tree structure and some simple design

You should answer these questions.

## Why Software Design Documents Matter

## What Should the Software Design Specification Actually Specify?

## User Interface

## Functionality

## Milestones

## Software Design Specification Example

### Statement of Goals

### Functional Description

2- Designing a Database

One of the biggest obstacles in designing phase is to detect tables And Columns Of database related to the data stored and retrieved from or to The app.

Implementation phase

The implementation phase is the second phase of the Assistance Programme.

The cyclic mechanism is to be applied to each of the following six working areas of the Convention.

1. Identification of hazardous activities;
2. Notification of hazardous activities;
3. Prevention;
4. Preparedness;
5. Response and mutual assistance;
6. Information to and public participation

1- Progressively roll out new features

Before releasing a new feature, test it on a subset of your user’s base to see how it works and how they respond.

Solution: we used case studies and apply each feature on them to see if it will be benefit to them or not.

2- Create a great onboarding flow

Give users simple, secure way to sign into the app then monitor the onboarding process and find ways to improve it! , It's important to make the data of the app secured

Solution: once the users register the email, user confirms the password to make sure that not a robot; a verification code will be sent to the number of the owner to insure the identity of the owner and the existence of the email. If it happens and the user forgot his password, he can retrieve his password by clicking on "forget password”, then the password will be resent to the owner's Gmail.

3-Add possibility to send message

The possibility of sending Russell to friends to better reach them and share information and situations among them