# Technical Design

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| Version | Date | Remark |
| Version 1.0 | 1/10/2018 | Initial draft |

## Overview

Topics

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  + Architecture
* Assumptions
* Feature and screen shot
  + Web accessibility
* Future implementation
  + Token based authentication
  + Hosting on cloud
  + Full support of web accessibility
  + Unit testing

## Overview

* The objective of this requirement is to create responsive web app which can register the user which with user details like First name, Last name, gender, mobile number if provided user image etc.
* Client
  + Angular version 6 is used for client development and the complete project is divided into various components like for header, home, login, notification, register etc and a single user service is also created with primary purpose to communicate to server with HttpClient
* Server
  + ASP.NET Core 2 web api is used in the back end to serve the client request and save the data into the database. In Web api project repository pattern is used and viewmodel class is created which will bind to the incoming requests.
  + There is only one controller “AccountController” which is respond to clients requests.

## Architecture

## High level system context

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## Assumptions

## User is new to our site and now he/she want to register herself/himself.

## Username is marked as mandatory field and this should be unique for every user.

## Password we’ll have at least one special character.

## Re-enter password must match the password entered.

## Rest fields are not mandatory and can be left as blank.

## Feature and screen shot

## Home Page

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## Registration page

## 

## Login Page (Not functional)

## 

## Web accessibly

## Registration page aria tags are applied to the user input control that can be read by screen reader however due to time constraints some important features e.g, “skip to main content” is not implemented and the site is not completely following full accessibility guidelines.

Future implementation

* Authentication: Token based authentication the code is there is other project shared along with this.
* Hosting: Hosting on any cloud server most probably AWS.
* Web accessible : Complete the half web accessibility implementation.