# Social Network – AngularJS Practical Project

You are assigned to design and implement a Social Network as **single page application (SPA)** using **HTML5** and **AngularJS**. The app has **users**. Each user has a **wall** and **friends**. **Friends** can see each other's **walls** and add post on them. Posts can be **commented**. Users can send **friend requests** to other users, **approve** or **reject** requests. Anonymous site visitors can only **login** and **register**. Logged in users can **logout**. You are given the server-side REST services to be called by your app with AJAX requests so you do not need to develop back-end.

## Social Network REST Services

You are given the following REST services for your Social Network SPA application.

* Services base URL (in the Windows Azure cloud): <http://softuni-social-network.azurewebsites.net/api>
* Services help page (online documentation): <http://softuni-social-network.azurewebsites.net/Help>

The documentation below provide additional details for the Social Network REST services.

## Social Network Web Design

You аre given the **Web design** and **UI prototype** of the Social Network SPA application as PDF document.

You need to convert the design to HTML + CSS. Pixel-perfect layout is not required. You do not need to match exactly the sizes, fonts and colors of the elements. A responsive design is highly desirable. You can use responsive CSS frameworks like **Bootstrap**.

10 score

## Social Network SPA Application

Design and implement a client-side SPA application based on **AngularJS**.

### AngularJS Project Structure

* Prepare an AngularJS project structure following the industry best practices.
* You should have separate folders for controllers, directives, filters, services, views, etc.

30 score

# Project Requirements

### Public Screens

Public screens are accessible for site visitors without login.

* **Login Screen**
  + Route: **#/**
  + **Logins an existing user**. Shows notification for success or error message.
  + After login, the user is automatically redirected to the user home screen.

5 score

* **Register User Screen**
  + Route: **#/**
  + **Registers a new user**. Shows notification for success or error message.
  + After registration, the user is automatically logged in and is redirected to the user home screen.

10 score

### User Screens

User screens are accessible for authorized users only (after login).

* **User Home Screen (news feed page)**
  + Route: #/
  + Includes **user header** (**name**, **buttons**, **search bar**)

5 score

* + **Search** users by name. Display matched users **profile image** and **name**.

10 score

* + Display **pending** friendship **requests**.

3 score

* + Display requests' details when clicked on the pending requests button.

7 score

* + Display own friends count, as well as **image** and **name** about 6 of your friends (retrieved from "**api/me/friends/preview**").

10 score

* + Display **posts made by friends** (retrieved from "**api/me/feed"**).

5 score

* + Display posts data (**author profile image**, **name**, post **date**, **content**, **likes count**, total **comments count**, **comments** (by default only 3, if clicked on "More…" button, display all comments)).

10 score

* + Dropdown **text area** for commenting a post on clicked [Comment] button and submitting comment to post.

10 score

* + Implement liking and unliking **posts**.

5 score

* + Popup when hovering over other users - displays user image, name and one of the three statuses - **friend**, **pending** (meaning there is currently a request) or **invite** button (for sending a friend request).

5 score

* **User wall**
  + Route: #/users/:username
  + **Display** the user's wall

10 score

* + Post box with **[Submit]** button for **adding new post** on wall.

10 score

* **Friends**
  + Route: #/users/:username/friends
  + Display all **user friends** in a table (showing **name** and **profile image** for each user).

10 score

* **Edit Post**
  + Users should be able to **edit only their own posts**. Show notification for success or error message.

5 score

* **Delete Post**
  + Users should be able to **delete their own posts**,as well as **any posts on their own wall** (regardless of who the author is). Show notification for success or error message.

5 score

* **Edit User Profile**
  + Route: #/profile
  + Users should be able to **edit their profile data** (**name**, **email**, **gender**,upload **profile picture**,upload **cover picture**). Show notification for success or error message.

10 score

* **Change User Password**
  + Route: #/profile/password
  + Users should be able to **change their password** from form (contains **old password**, **new password** and **confirm new password**). Show notification for success or error message.

5 score

* **Logout**
  + Route: #/logout
  + Successfully logged in users should be able to **logout** from the app.
  + Logout shows a notification message and redirects to the Home screen.

5 score

* **Guest Authorization Checks**
  + Anonymous site visitors (without login) should be able to access only Login and Register screens.
  + An attempt to access anonymously these screens should redirect the user to the Home screen.

5 score

* **User Authorization Checks**
  + Users should be able to access **everybody's wall**, but only their **own** **news feed**.
  + Users should **NOT** be able to **post** on **non-friend walls**.
  + Users should **NOT** be able to **like/unlike** **posts** when **neither the author, nor wall owner is a friend**.
  + Users should **NOT** be able to **see non-friends' friends preview** or **full friends list**.

10 score

Total 300 score

# Project Bonuses

### User Screens

* **User Home Screen (news feed page)**
  + Implement liking and unliking **comments**.

5 score

* + **Dynamic scrolling** with **pagination.**

10 score

* **User wall**
  + **Dynamic scrolling** with **pagination.**

10 score

* **Friends**
  + Dynamic **client-side name filter.**

5 score

* **Edit Comment**
  + Users should be able to **edit only their own comments**. Show notification for success or error message.

5 score

* **Delete Comment**
  + Users should be able to **delete their own comments**, as well as **any comments of their own posts**. Show notification for success or error message.

5 score

* **User Authorization Checks**
  + Users should **NOT** be able to **comment** on posts when **neither the author, nor wall owner is a friend**.
  + Users should **NOT** be able to **like/unlike** **comments** when **neither the post author, nor wall owner is a friend**.

20 score

Total 60 score