**Project Title:** “What’sUrSay?”

**Project Description:**

“What’sUrSay?” is an online polling and survey system. This is a web application that is comprised of the following features:

1. A person signs up using registration form to become a user of the system.
2. A user can be granted any of the below three user roles based on the administrative position of the user and the requirement:
3. Admin (A)
4. Group leader (L)
5. Normal User (U)
6. Each user is provided with a dashboard.
7. The users can view their dashboard only upon their successful login

The appearance of dashboard and the features provided to a user vary from one user role to the other.

Below are the features provided to regular users (U) on their dashboard:

The dashboard contains the below details:

1. Filter to select ‘Polls’ or ‘Surveys’ or ‘Both’
2. Filter to select ‘Private’ or ‘Public’, this would filter the ‘Polls’ and ‘Surveys’ respectively.
3. Once the filters are selected by the user, one of the below actions take place:

* Upon the choice of ‘Polls’ and ‘Private’, the user will be listed all the Polls (already participated and non-participated), where the user is one among that poll group
* Upon the choice of ‘Polls’ and ‘Public’, the user will be listed all the Polls (already participated and non-participated), where the user is not one among that poll group
* Upon the choice of ‘Surveys’ and ‘Private’, the user will be listed all the Surveys (already participated and non-participated), where the user is one among that survey group
* Upon the choice of ‘Surveys’ and ‘Public’, the user will be listed all the Surveys (already participated and non-participated), where the user is not one among that survey group
* Upon the choice of ‘Both’ and ‘Private’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is one among that poll or survey group
* Upon the choice of ‘Both’ and ‘Public’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is not one among that poll or survey group

1. From the list of Polls or Surveys or Both displayed to the user, the user can do one of the below actions:

* Select a Poll or Survey and view its details such as date of creation, created by, description of the Poll or Survey, etc.
* Select a Poll or Survey that is still open for the user response and then participate in it
* Select a Poll or Survey that is already completed and view its results

1. After the participation of user in a Poll/Survey, a participation confirmation email will be sent to the user.
2. Once the evaluation of the Poll is completed, the corresponding group users receive the results in an email.
3. The user has the option to see the names of all groups and other details of the groups that he belongs to.
4. Option to view the ‘Request for Group Leadership’ form (If the user is planning to become a group leader, this form is to be completed and submitted to the admin)
5. Option to fill out the form and submit to the admin (If the admin approves this, then the role of user is changed from ‘U’ to ‘L’, and he gets all the privileges and options of group leader after his next successful login)
6. Settings for updating the user account details (User name, password, profile picture, ‘About’ details)
7. “Sign out” button

Below are the features provided to Group Leaders (L) on their dashboard:

1. Create a user group
2. Add an user to the group
3. Remove an user from the group
4. Move the group ownership to other person
5. Delete the group
6. Create a poll/survey
7. Edit or update poll/survey details (Details: Title of the poll/survey, description, scheduled dates, add another group to the poll/survey, etc.)
8. Delete poll/survey
9. Option to see the list of groups that are created by him/her.
10. Option to see the list of polls/surveys that are created by him/her.
11. Option to click on ‘Calculate Results’ of a poll and publish the results to the corresponding poll groups. (upon ‘publish’, an email will be sent to the users with the results details)
12. Filter to select ‘Polls’ or ‘Surveys’ or ‘Both’
13. Filter to select ‘Private’ or ‘Public’
14. Once the filters are selected by the user, one of the below actions take place:

* Upon the choice of ‘Polls’ and ‘Private’, the user will be listed all the Polls (already participated and non-participated), where the user is one among that poll group
* Upon the choice of ‘Polls’ and ‘Public’, the user will be listed all the Polls (already participated and non-participated), where the user is not one among that poll group
* Upon the choice of ‘Surveys’ and ‘Private’, the user will be listed all the Surveys (already participated and non-participated), where the user is one among that survey group
* Upon the choice of ‘Surveys’ and ‘Public’, the user will be listed all the Surveys (already participated and non-participated), where the user is not one among that survey group
* Upon the choice of ‘Both’ and ‘Private’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is one among that poll or survey group
* Upon the choice of ‘Both’ and ‘Public’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is not one among that poll or survey group

1. From the list of Polls or Surveys or Both displayed to the user, the user can do one of the below actions:

* Select a Poll or Survey and view its details such as date of creation, created by, description of the Poll or Survey, etc.
* Select a Poll or Survey that is still open for the user response and then participate in it.
* After the participation, the Poll or Survey link is disabled in order to avoid a person to participate twice or more number of times in the same poll or survey.
* Select a Poll or Survey that is already completed and view its results

1. After the participation of user in a Poll/Survey, a participation confirmation email will be sent to the user.
2. Once the evaluation of the Poll is completed, the corresponding group users receive the results in an email
3. The user has the option to see the names of all groups and other details of the groups he belongs to.
4. Settings for updating the user account details (User name, password, profile picture, ‘About’ details)
5. “Sign out” button

Below are the features provided to Admin (A) on his/her dashboard:

1. View the requests received for ‘Group Leadership’ from normal users (This request is sent to admin when the normal user fills and submits the ‘Request for Group Leadership’ form.
2. Review the requests and decide upon assigning or declining the group leadership to a person
3. Change user role of a person from normal user (U) to group leader (L) based upon successful verification of his background and position.
4. Create a group and assign a group leader to it
5. Remove the group (Admin is not given the privilege to add users to the group. Only a group leader can do add the users)
6. Option to see the list of groups that are created by him/her.
7. Move the admin ownership to other person
8. Filter to select ‘Polls’ or ‘Surveys’ or ‘Both’
9. Filter to select ‘Private’ or ‘Public’
10. Once the filters are selected by the user, one of the below actions takes place:

* Upon the choice of ‘Polls’ and ‘Private’, the user will be listed all the Polls (already participated and non-participated), where the user is one among that poll group
* Upon the choice of ‘Polls’ and ‘Public’, the user will be listed all the Polls (already participated and non-participated), where the user is not one among that poll group
* Upon the choice of ‘Surveys’ and ‘Private’, the user will be listed all the Surveys (already participated and non-participated), where the user is one among that survey group
* Upon the choice of ‘Surveys’ and ‘Public’, the user will be listed all the Surveys (already participated and non-participated), where the user is not one among that survey group
* Upon the choice of ‘Both’ and ‘Private’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is one among that poll or survey group
* Upon the choice of ‘Both’ and ‘Public’, the user will be listed all the Polls and Surveys (already participated and non-participated), where the user is not one among that poll or survey group

1. From the list of Polls or Surveys or Both displayed to the user, the user can do one of the below actions:

* Select a Poll or Survey and view its details such as date of creation, created by, description of the Poll or Survey, etc.
* Select a Poll or Survey that is still open for the user response and then participate in it
* Select a Poll or Survey that is already completed and view its results

1. After the participation of user in a Poll/Survey, a participation confirmation email will be sent to the user.
2. Once the evaluation of the Poll is completed, the corresponding group users receive the results in an email
3. The user has the option to see the names of all groups and other details of the groups that he belongs to.
4. Settings for updating the user account details (User name, password, profile picture, ‘About’ details)
5. “Sign out” button

**Development Environment:**

**OS:** Windows

**Programming Language:** C#, TypeScript

**Database:** MySql

**UI and JavaScript Frameworks:** Bootstrap, Angular JS, HTML, CSS, JQuery

**Server Side Technologies:** ASP.NET MVC Web API, ASP.NET Core