Project Report

# Group Name: D Software Engineers (DSEs)

# Team Members:

* Sreedevi Koppula
* Rajashekhar
* Nikhitha Kaza
* Abhinav Bhandaram.

# Project Ideas:

* Sreedevi: E-commerce application.
* Rajashekhar: Library Management System
* Nikhitha: ERP for Universities
* Abhinav: Online Examination Portal, Online Polling/Voting application.

# Selected Idea:

* Online Polling/Survey application.

# Description (Please update if you find anything missing):

This app would be used to create, view, vote and answer survey questions. It would be encompassing the following functionalities.

* Creating a new poll/survey.
* Dashboard to check all the available surveys/polls (user specific).
* Viewing an already created poll/survey.
* Voting for a poll/answering a survey.
* Surveys/Polls would be classified depending on the category like Academic, Events, Transport etc.
* Surveys can be created by the admin or a user who has the privileges to create one.
* Creating/updating users and user roles would be managed by the admin.
* Surveys/Polls would be public or private, public Survey/Polls would be accessible by everyone, Private Surveys can be accessed by only a group of people this group is created by the user who is creating the survey.
* The creator of the poll/survey would have the option to publish the results to public/private group.
* The creator/admin would have the option to select the dates thru which the poll/survey would be active, this would be done while creating the survey. The poll/survey can be extended at a later time but not after the date of completion provided while creating the survey.
* The details of the survey can be changed by the admin/creator at any point of time but not after the date of completion provided while creating the survey.
* Groups created by the user would be stored and be used for later use. The user can also view the groups created by him/her (Dashboard view), update an already created group, delete a group, View an individual group information.

# Modules (Please update if you find anything missing)

These are the modules that I have come up till now please add if you find anything missing.

* Poll
  + Create
  + List(Dashboard)
  + View
  + Update
  + Participate
* Survey
  + Create
  + List(Dashboard)
  + View
  + Update
  + Participate
* Results
  + Calculate
  + List(Dashboard)
  + View
  + Publish
* Users
  + Create
  + Delete
  + Grant Roles
  + Update Roles
  + List (Dashboard)
  + View
* Groups
  + Create
  + View
  + Update
  + Delete
  + List(Dashboard)

# Platforms

* UI: Angular JS, Foundation UI Framework, HTML, CSS and a bit of JQuery might get involved in the middle.
* Server Side: ASP.NET MVC Web API, ASP.NET core.
* DB we can go ahead with NoSQL, MySQL, traditional SQL Server DB.
* Programming Languages: C#, TypeScript (Optional).
* Testing Frameworks: NUnit for Server side coding and Protractor or Jasmine framework for AngularJS.
* Test Driven Development.

# Topics to learn

* Angular JS

# Tutorial Links:

* <http://www.tutorialspoint.com/angularjs/>
* <https://docs.angularjs.org/tutorial>
* <https://material.angularjs.org/latest/>