

Project Plan and First Increment

I. Introduction

Usually elections happen in every country after a fixed time period or in case of emergency such as the elected leader has died or if he/she is assassinated. When the elections are nearby and during the elections the government spends a lot of money to conduct the elections. Lot of public money is spent to ensure that the elections happen fairly and the mode of conducting elections usually involves people going to nearby polling booth to cast their vote. For all of this to happen the government installs a lot of infrastructure and needs to give tight security to people and elections infrastructure so that no one can tamper with it, which in turn requires lot of money. This also requires many people to be deployed simultaneously at all polling booths for security so planning and coordination plays an important role here. Sometimes it becomes difficult or almost impossible for people living away from their hometown to travel back to their hometown and cast their vote, this may result in significant number of people not participating in Elections. Moreover most people don't know who are the people contesting in their constituency and even if they know they do not have complete information about them such as their educational qualifications, previous work experience, any criminal record etc. which is essentially required for people to assess every person who is contesting and finally elect the right person of their choice. And for people to come and vote at a polling booth a holiday needs to be declared which in turn requires all the organizations to shut down their services on the day of Elections, all this process ensures that a leader is elected but it involves the time and effort of a lot of people and organizations. As we know that every moment in our life is unpredictable and if due to some reason on the day of elections something goes wrong the whole process needs to be repeated which again requires a lot of time, money and effort. Also the entire process requires a lot of planning and coordination between many departments within the government at center and state. In spite of planning well sometimes we may fail in coordination and getting the work done as planned. In today's dynamic world where technology is driving us there is a need for using technology to replace such a process of conducting elections with a new process which can overcome the problems discussed above.

II. Project Goal and Objectives

The goal of our project is to develop an online voting system where people can cast their vote online to elect their leader. By conducting elections online we do not have to install any physical infrastructure such as polling booths and we do not have to deploy any security personnel to monitor the situation at every polling booth, this saves a lot of public money and it also avoids any security to be deployed which in turn saves time and effort of lot of people which in turn can be used for other productive purposes. As everything is online where people just need to vote through their smart devices people don't have to visit a polling booth and people who are staying away from their hometown due to different reasons can also participate in the Elections from where ever they are, in this way our application gives opportunity for everyone to participate in the Elections and makes their vote count and create a difference in electing the right person. Our idea involves money to be spent only on developing a scalable, secure and robust application which would be very less when compared to money being spent on conducting Elections in traditional way. Our application consolidates and provides complete information about every person who is contesting which in turn helps people to assess and elect the right person of their choice and it also ensures that there is no rigging and only the genuine registered voters are casting their vote. Unlike traditional way of conducting Elections where we need many teams from different

departments to coordinate we only require one team during Elections which monitors and ensures that the system which is running our online application is up and running. All this process does not require much coordination and man power. So essentially the voting system that is developed through our project saves time, money, effort and infrastructure that could be used for other productive purposes and also eases the entire process of conducting elections.

III. Project Plan

Increment1

1. Draw layouts on board
2. Team meeting for finalizing layouts
3. Draw wireframes
4. Develop user interfaces

Increment2

1. Add the feature to add photo
2. Do form validations
3. Revisit and review developed user interfaces for adding any other features
4. Team discussion on database tables creation
5. Create database tables
6. Create class diagrams
7. Work on database integration to user interfaces

Increment3

1. Add login functionality
2. Add forgot password functionality
3. Insert and read operations on database
4. Update and delete operations on database

Increment4

1. Add voting functionality
2. Add enable and disable feature for voting
3. Add functionality to load candidate details
4. Add functionality for candidate search

Milestones Zenhub Screenshots

Labels Milestones New milestone

4 Open 0 Closed Sort

Milestone	Due by	Last updated	Progress	Open	Closed
Increment1 submission	February 19, 2016	2 minutes ago	60% complete	2 open	3 closed
Increment2	March 11, 2016	22 minutes ago	0% complete	7 open	0 closed
Increment3	April 6, 2016	17 minutes ago	0% complete	4 open	0 closed
Increment4	April 29, 2016	5 minutes ago	0% complete	4 open	0 closed

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Labels Milestones New milestone

4 Open 0 Closed Sort

Milestone	Due by	Last updated	Progress	Open	Closed
Increment1 submission	February 19, 2016	1 minute ago	100% complete	0 open	5 closed
Increment2	March 11, 2016	33 minutes ago	0% complete	7 open	0 closed
Increment3	April 6, 2016	27 minutes ago	0% complete	4 open	0 closed
Increment4	April 29, 2016	16 minutes ago	0% complete	4 open	0 closed

Increment1 milestone

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<input type="checkbox"/>	2 Open 3 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>	Draw wireframes #3 opened 2 days ago by gkswargam Increment1 submission...					0
<input type="checkbox"/>	Team meeting for user interfaces #2 opened 2 days ago by gkswargam Increment1 submission...					0
<input type="checkbox"/>	Draw Layouts #1 opened 2 days ago by gkswargam Increment1 submission...					1

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<input type="checkbox"/>	Develop user interfaces set2 #5 opened 2 days ago by gkswargam Increment1 submission...					0
<input type="checkbox"/>	Develop userinterfaces set1 #4 opened 2 days ago by gkswargam Increment1 submission...					0

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Mail - Swargam, Gopi Krishna | Issues · gkswargam/ASE_P | CS551 - 2016 Spring - Inv | CS551 - 2016 Spring - Go | Gopi Krishna

GitHub, Inc. [US] [https://github.com/gkswargam/ASE_Project_Team9/issues?q=milestone%3AIncrement1+submission"+is%3Aclosed](https://github.com/gkswargam/ASE_Project_Team9/issues?q=milestone%3AIncrement1+submission)

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<input type="checkbox"/>	0 Open <input checked="" type="checkbox"/> 5 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>	Develop user interfaces set2 #5 opened 2 days ago by gkswargam Increment1 submissi...					0
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<input type="checkbox"/>	Draw wireframes #3 opened 2 days ago by gkswargam Increment1 submissi...					0
<input type="checkbox"/>	Team meeting for user interfaces #2 opened 2 days ago by gkswargam Increment1 submissi...					0
<input type="checkbox"/>	Draw Layouts #1 opened 2 days ago by gkswargam Increment1 submissi...					1

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Windows taskbar: Mail, Edge, File Explorer, Chrome, VS Code, Word, PDF Reader, Task Manager, System Tray (4:17 PM 2/19/2016)

Increment2 milestone

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<input type="checkbox"/>	7 Open <input checked="" type="checkbox"/> 0 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>	Database Integration #13 opened 27 minutes ago by gkswargam Increment2					0
<input type="checkbox"/>	Create class diagrams #12 opened 30 minutes ago by gkswargam Increment2					0
<input type="checkbox"/>	Create tables #11 opened 33 minutes ago by gkswargam Increment2					0
<input type="checkbox"/>	Discussion on database tables creation #10 opened 34 minutes ago by gkswargam Increment2					0
<input type="checkbox"/>	Revisit developed user interfaces #9 opened 37 minutes ago by gkswargam Increment2					1
<input type="checkbox"/>	Form validations #8 opened 39 minutes ago by gkswargam Increment2					0
<input type="checkbox"/>	Photo feature #7 opened 42 minutes ago by gkswargam Increment2					0

Windows taskbar: Mail, Edge, File Explorer, Chrome, VS Code, Word, PDF Reader, Task Manager, System Tray (4:12 PM 2/19/2016)

Increment3 milestone

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Clear current search query, filters, and sorts

<input type="checkbox"/>	4 Open	0 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>	Update and Delete operations				Increment3		
	#17 opened 22 minutes ago by gkswargam						
<input type="checkbox"/>	Insert and read operations				Increment3		
	#16 opened 23 minutes ago by gkswargam						
<input type="checkbox"/>	Forgot password functionality				Increment3		
	#15 opened 24 minutes ago by gkswargam						
<input type="checkbox"/>	Login functionality				Increment3		
	#14 opened 26 minutes ago by gkswargam						

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Increment4 milestone

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Filters is:open milestone:Increment4 Labels Milestones New issue

Clear current search query, filters, and sorts

<input type="checkbox"/>	4 Open	0 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>	Candidate search				Increment4		
	#21 opened 12 minutes ago by gkswargam						
<input type="checkbox"/>	Load candidate details				Increment4		
	#20 opened 14 minutes ago by gkswargam						
<input type="checkbox"/>	Enable or disable vote feature				Increment4		
	#19 opened 15 minutes ago by gkswargam						
<input type="checkbox"/>	Voting functionality				Increment4		
	#18 opened 16 minutes ago by gkswargam						

ProTip! Add no:assignee to see everything that's not assigned.

IV. First Increment Report

In our first increment we have developed all the required user interface screens required for our project. First we have drawn the layouts on the drawing board and then finalized on the final layouts. Then we have drawn the wireframes and finally developed the web pages.

Existing Services/API

Did not use any APIs or existing services for Increment1.

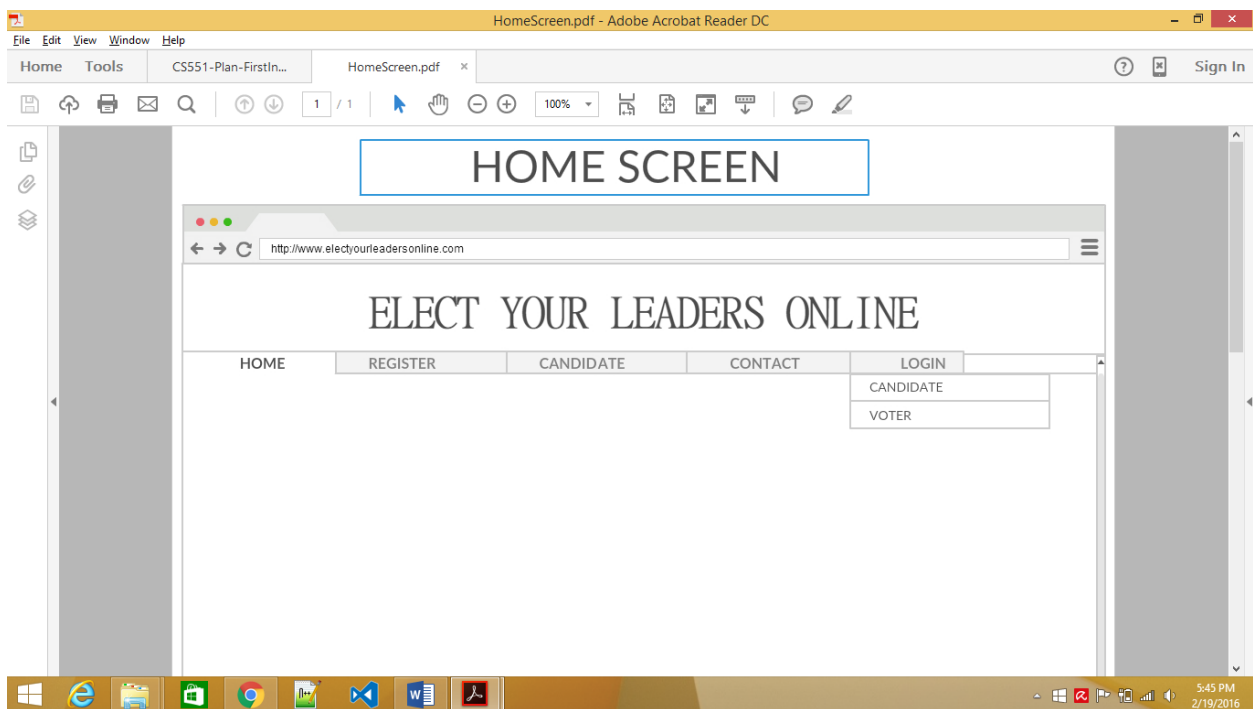
Detail Design of Features (using tools)

All the wireframes for the user interfaces developed in Increment1 are at below link

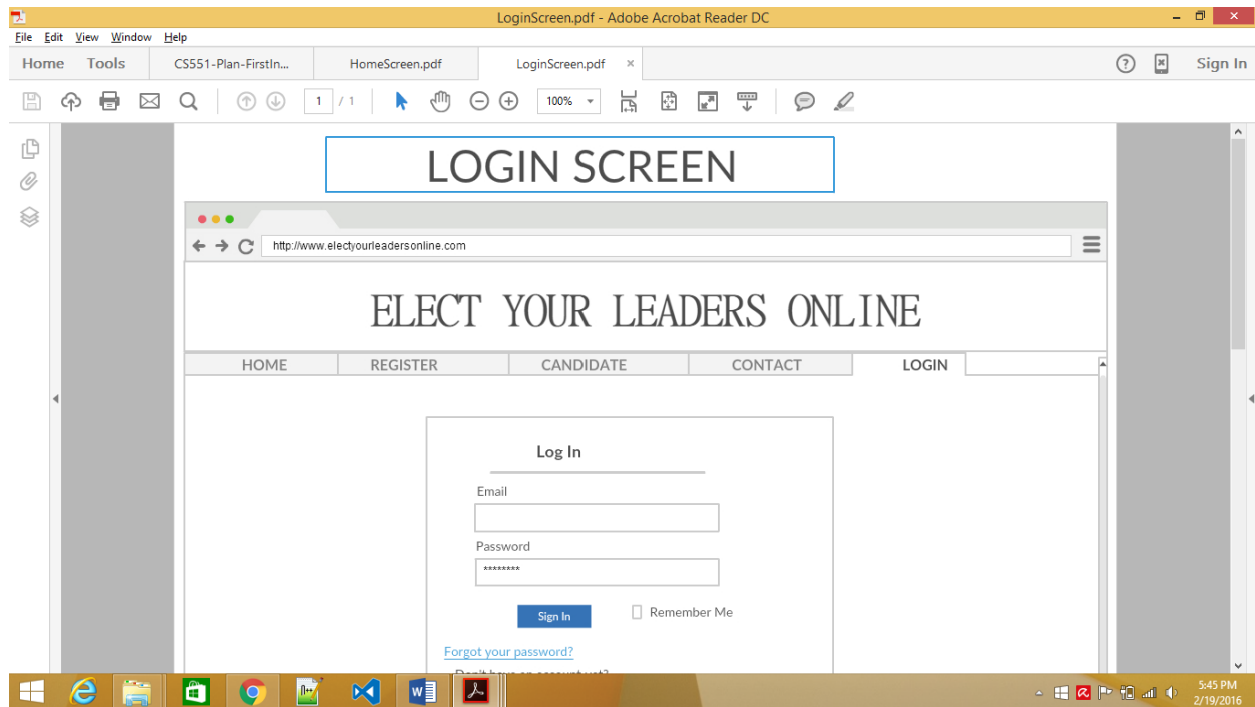
https://github.com/gkswargam/ASE_Project_Team9/tree/master/Increment1/Documentation/Project_Wireframes

Below are the wireframe screenshots for user interfaces that we have developed:

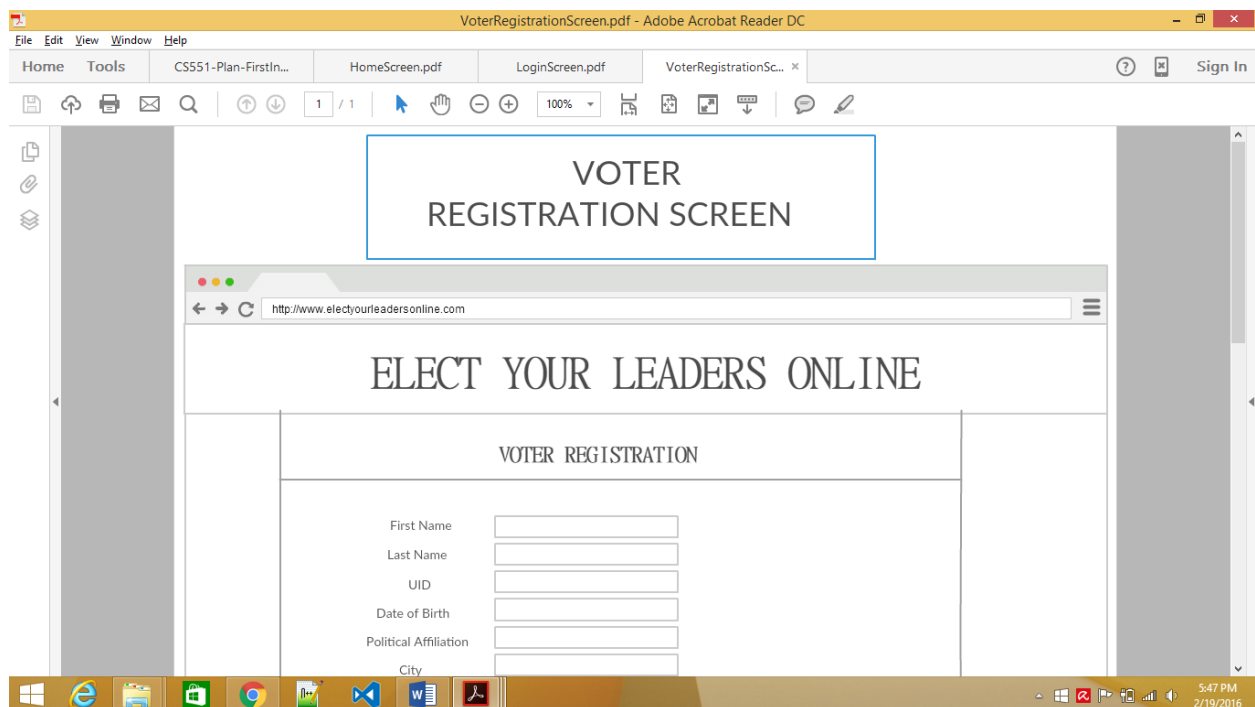
Home Screen



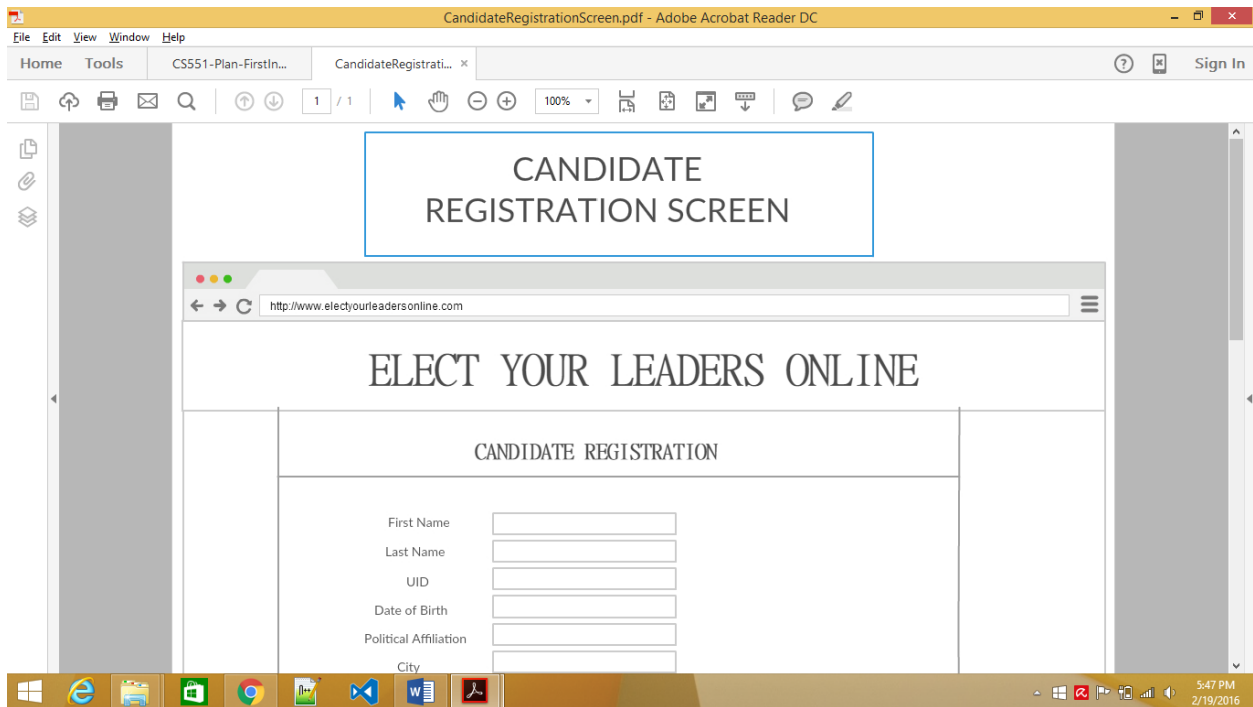
Login Screen



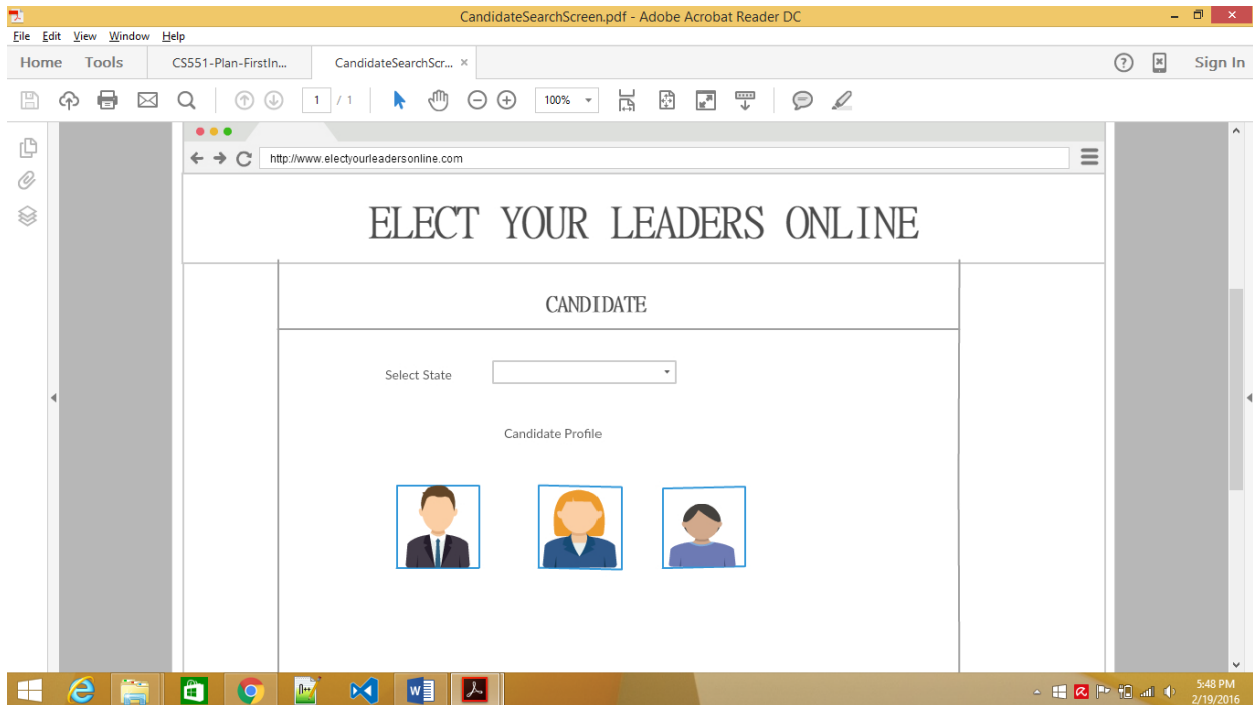
Voter Registration Screen



Candidate Registration Screen



Candidate Search Screen

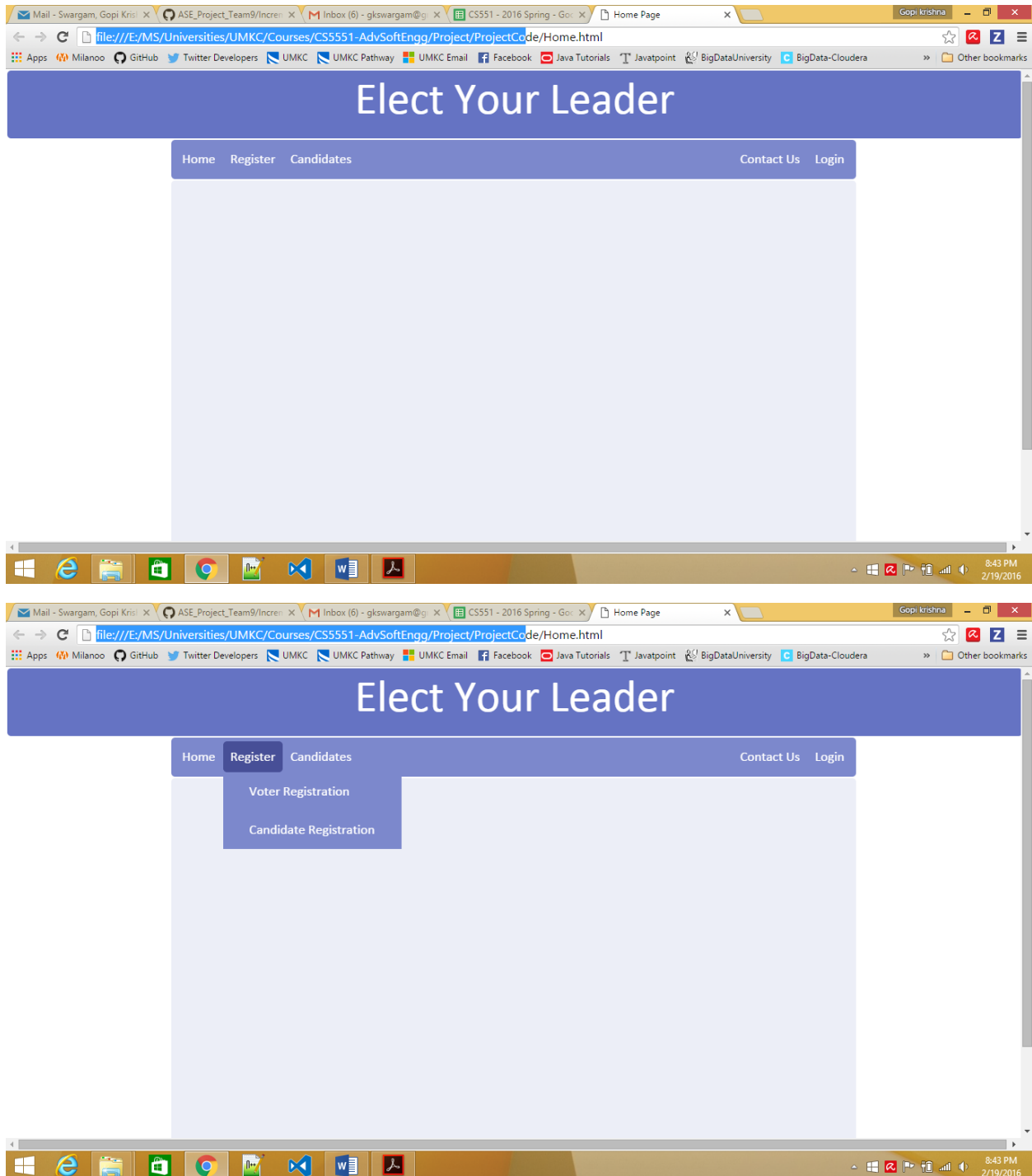


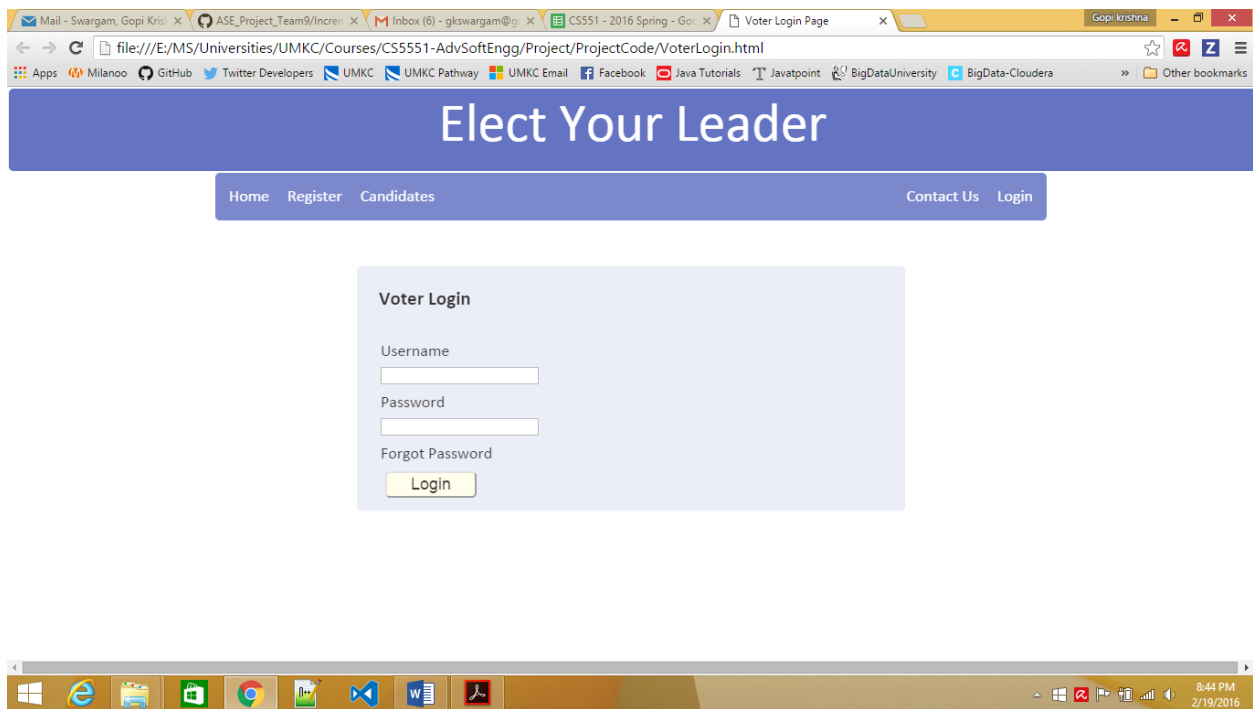
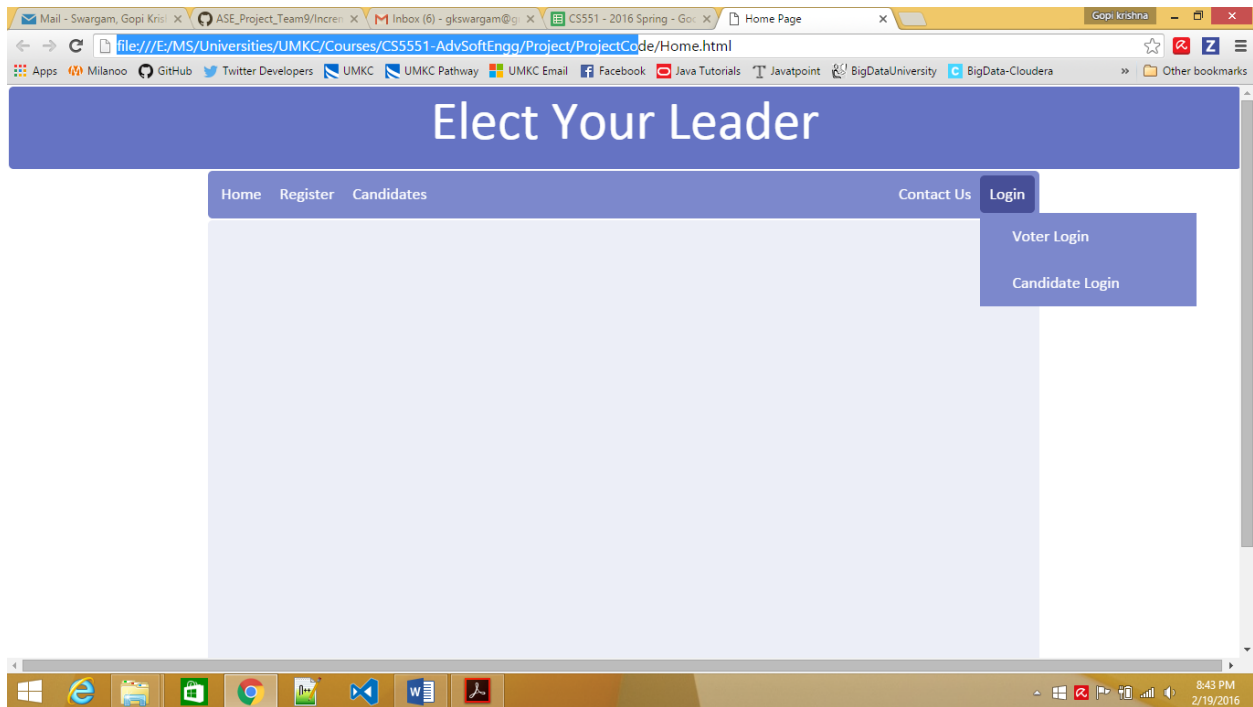
Testing

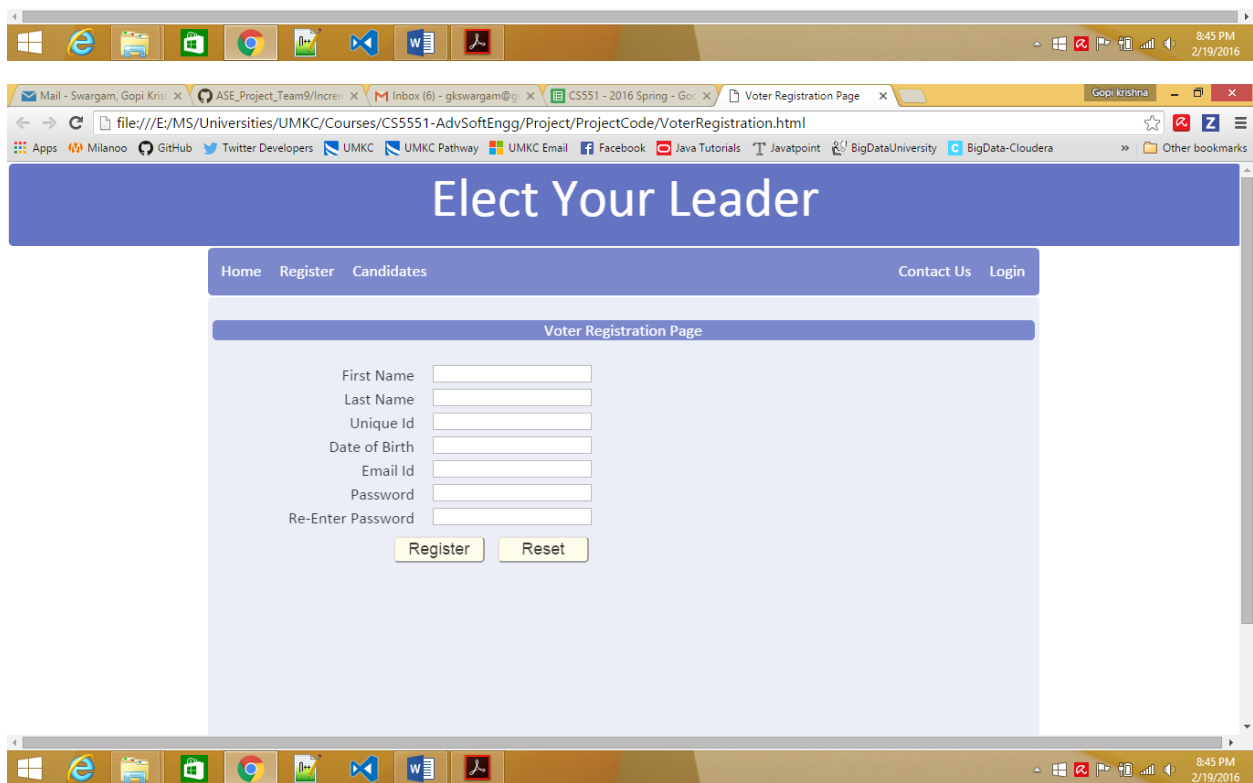
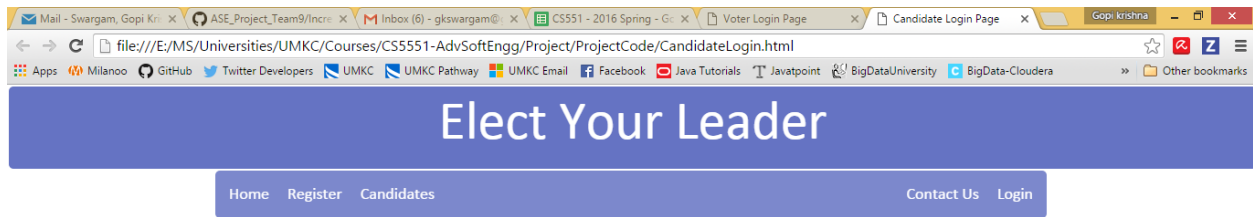
All the user interfaces are developed and tested by opening them through browsers. Code for the user interfaces is uploaded at below link

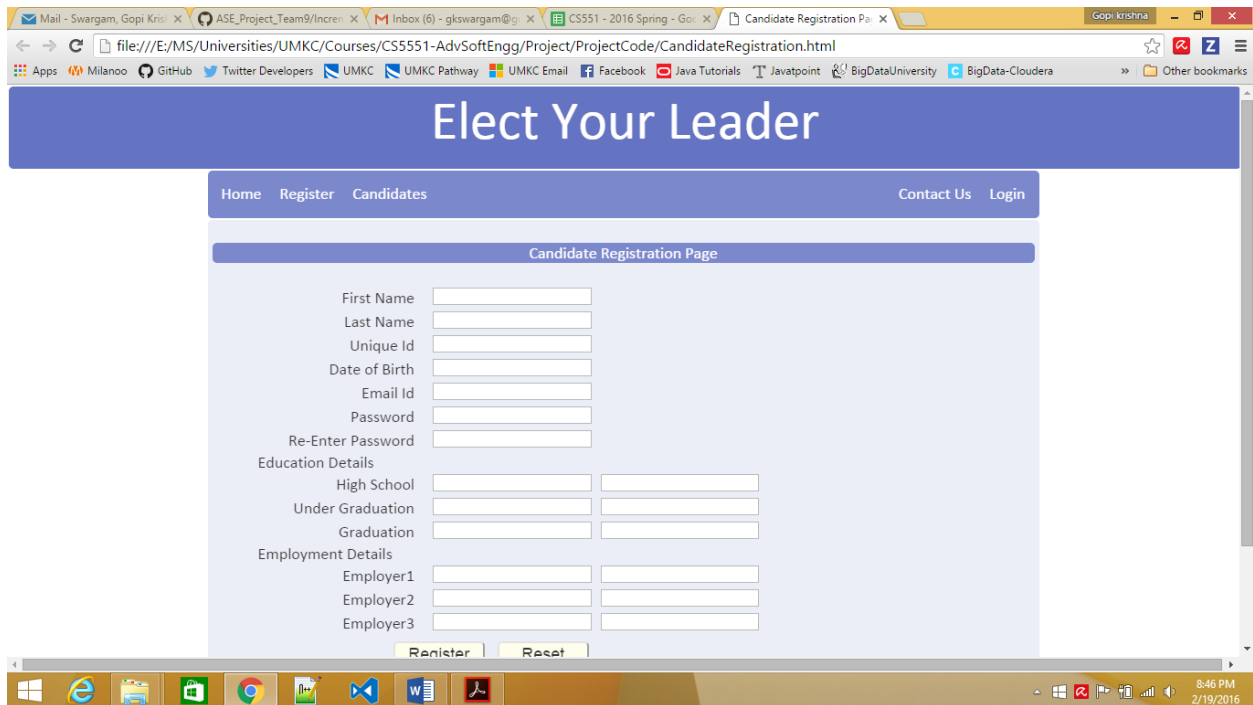
https://github.com/gkswargam/ASE_Project_Team9/tree/master/Increment1/Source

Below are the screenshots for testing through browser









Implementation

All the user interfaces are developed using html and css.

Deployment

All the user interfaces developed are working as expected through browsers, but did not deploy to any server, will deploy in Increment2 along with functionality features.

All the artifacts for Increment1 are at below link

https://github.com/gkswargam/ASE_Project_Team9/tree/master/Increment1

Project Management

Work Completed

- **Description**
In Increment1 we have developed user interfaces required for the project.
- **Responsibility**

(1) Draw layouts on board	Alsofyani, Mohannad Eida M, JyothiKiran Nandanamudi
(2) Team meeting for finalizing user interface	All
(3) Draw wireframes for user interfaces	Sidrah Junaid, Gopi Krishna Swargam
(4) Develop user interfaces for the wireframes	All
- **Time taken** 20 hours
- **Contributions**

(1) Gopi Krishna Swargam	25%
(2) Nandanamudi Jyothikiran	25%
(3) Sidrah Junaid	25%

(4) Alsofyani, Mohannad Eida M

25%

Bibliography

<http://www.w3schools.com/>

<http://www.tutorialrepublic.com/>