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## Section 1: Introduction

### 1.1 SOCIETY OF WOMEN ENGINEERS

Society of Women Engineers (SWE) is a 67-year-old non-profit organization, established in 1950. It is an educational and service organization in the USA and has over 33,000 members in about 100 professional sections and 300 student sections across the USA. SWE boosts women to succeed and advance in the engineering domain by aiding them with training and development programs, networking opportunities, scholarships, outreach and advocacy activities. SWE is true blue towards its mission of “Stimulate women to achieve full potential in careers as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, and demonstrate the value of diversity” (ref. <http://societyofwomenengineers.swe.org/about-swe>). The vision of SWE is to play vital role in the success of women in engineering and technology. The primary goals of SWE are professional excellence, globalization and advocacy. The scope of SWE’s programs ranges from K-12 outreach and university segments to proficient advancement in the working environment. SWE is one of the highly organized institutions with legitimate echelons instated for its members. SWE is composed at the local, territorial, national, and global levels. Every district holds a yearly territorial meeting, and there is a yearly gathering for the Society in general. Neighborhood areas have projects and occasions identified with SWE's central goal. After every outreach event and information session, SWE members at different levels conduct different types of surveys. These surveys are manual and cover a wide range of participants from students to parents, and from teachers to volunteers. Once participants complete their surveys, results are gathered and posted along with feedback from members. These results are then analyzed with infographics and used for research, analysis, promotions and marketing.

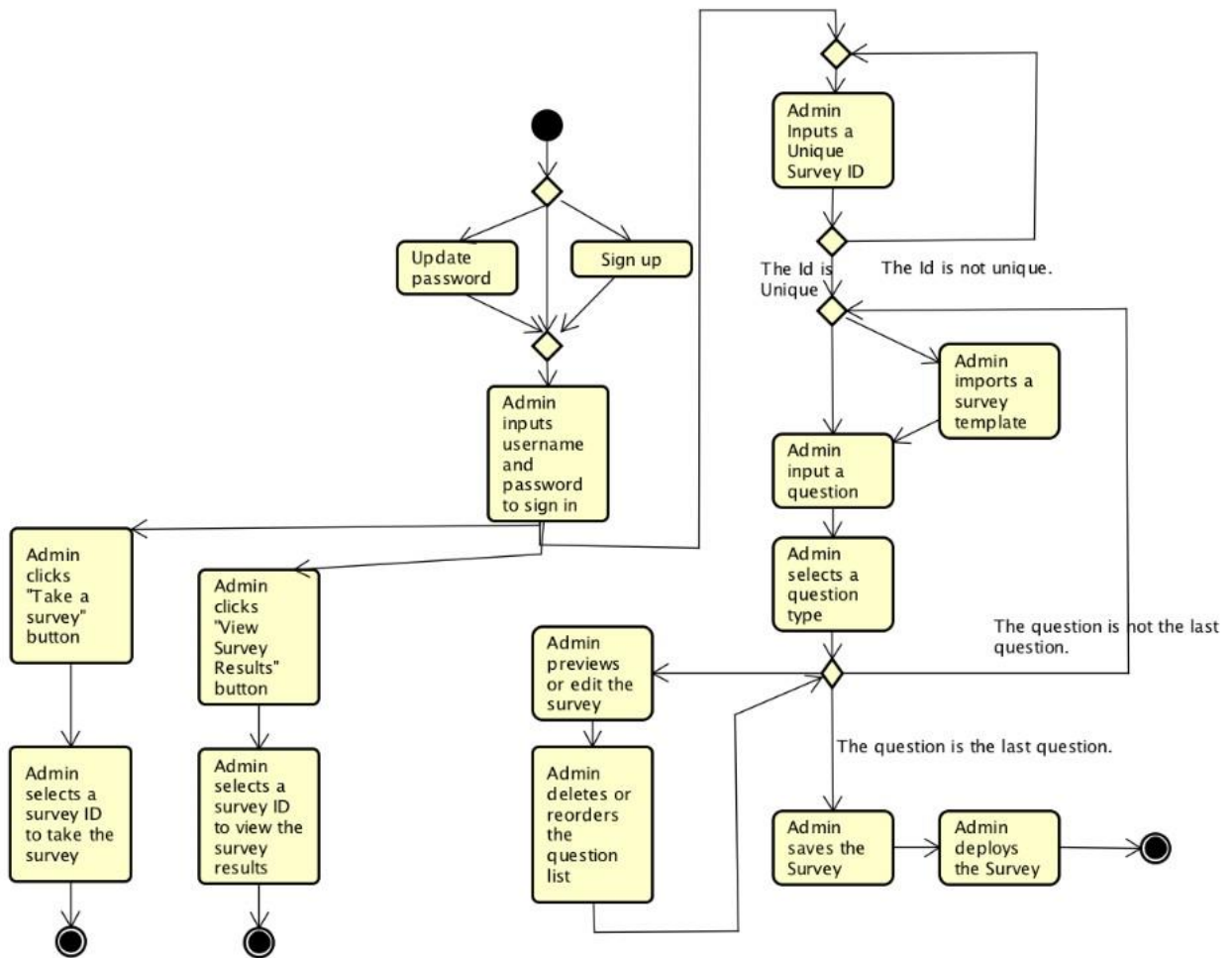
### 1.2 OUTREACH ASSESSMENT WEB PORTAL

This project is an effort to ease the current SWE outreach assessment process. The Project involves formulation of a Multi-Machine Adaptable Web portal using Microsoft powered development framework, Amazon powered NoSQL Database - Dynamo DB and Google powered Infographics. The high level features of this system are Role Based- Survey Administration, Role Based- Users Administration, Role Based- Feedback Management, Role Based- Infographics.

## Section 2: Referenced Systems

### System # 1

AUTOSWE – This system was developed by YongJi Li (May 2016). This is an Android based mobile app. This app is built upon AWS Mobile SDK and AWS Dynamo DB. This app helps SWE members in creating, deploying and taking the surveys of SWE events. The following is an activity diagram of AutoSWE: -



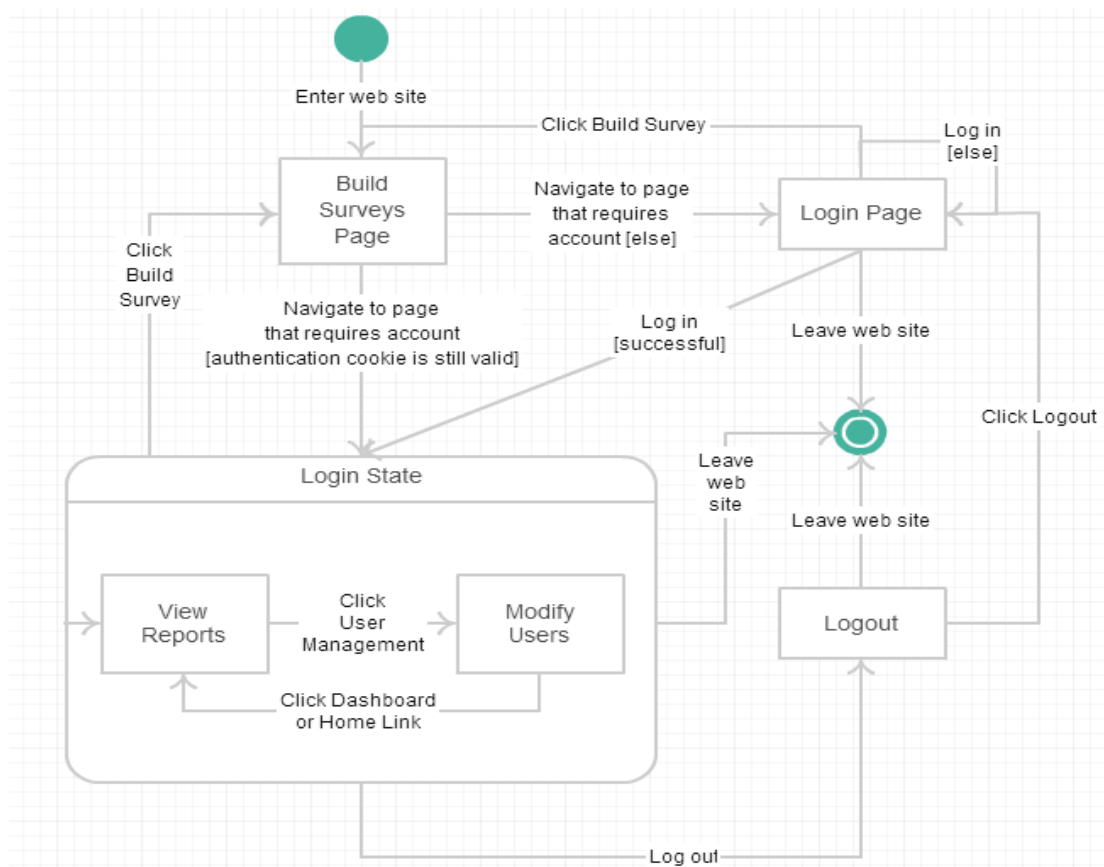
## System # 2

A Similar kind of system was developed as a project for CS5364 (2014-2015).

Features of this system are

1. User Management
2. Paper Survey Generation
3. Report Viewer

Underneath is the state chart diagram of the existing system which gives a high level view of the system.



However, this system makes an attempt to address basic necessities of SWE but somewhere falls short. And following were the type of issues that were blocking the smooth functioning of the system:

- Admin Login Crashes.
- UI bugs.
- Lack of User Access Controls.
- Report Viewer Bugs.

## Section 3: Design of SWE Outreach Assessment Web Portal

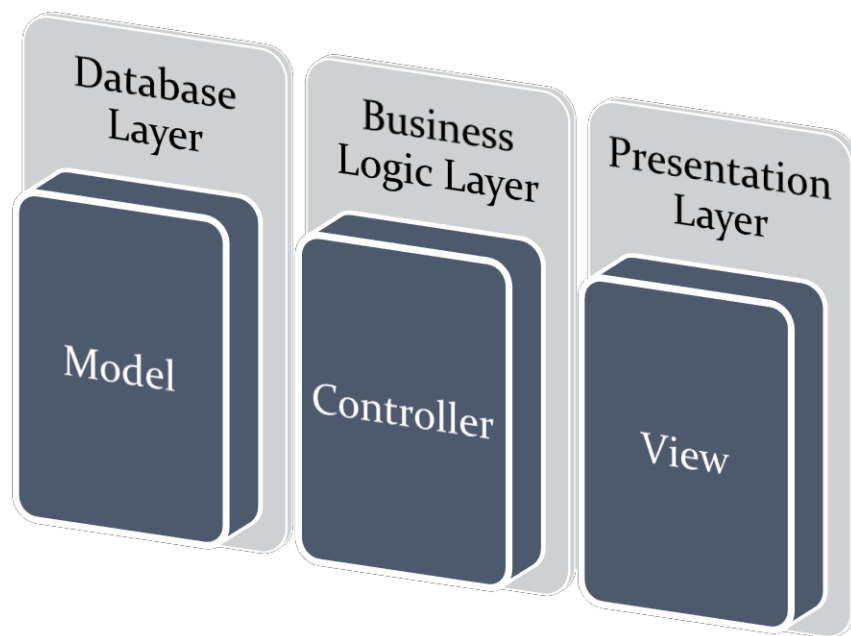
### 3.1 DESIGN FRAMEWORK

SWEN OAWP is basically a web platform from which SWE members can generate and issue paper and/or electronic surveys, get and post feedback, and view feedback in form of graphical reports depending upon their access privileges. Access privileges can be controlled by Outreach Administrator. So, all this mechanism has 3 basic internal design layers: -

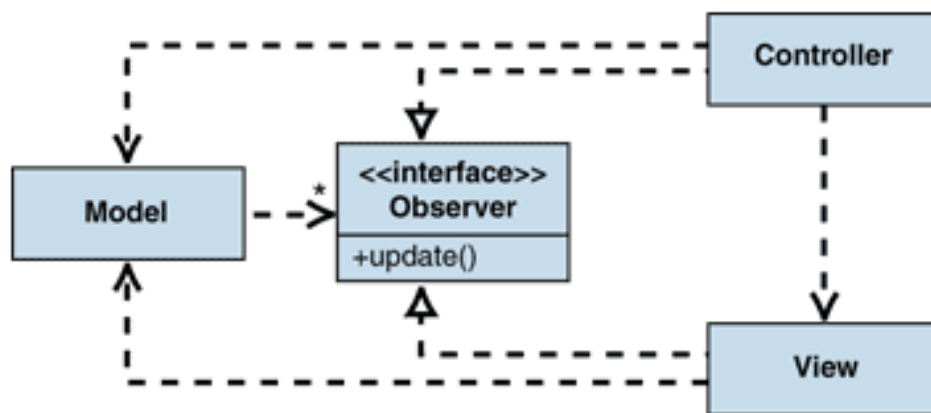
- Presentation Layer
- Logical Layer
- Database Layer

Technology which is efficiently satisfying requirements of this SWE OAWP is Model-View-Controller design patterns.

- Model: Model (in MVC) can be said as the first definition of the entire software system. It encapsulates the behavior and data of the application domain. It interacts with the controller for performing any course of action and interacts with views to display information. In our project, Model plays vital role in abstraction of database layer.
- Controller: Controller is the logical of module entire software system where actual algorithms are implemented. It contains all the business logic in SWE OAWP and handles interactions with users.
- View: The view manages the display of information. In SWE OAWP, views will be managing presentation layer.



In SWE OAWP, we are using Active MVC Design.



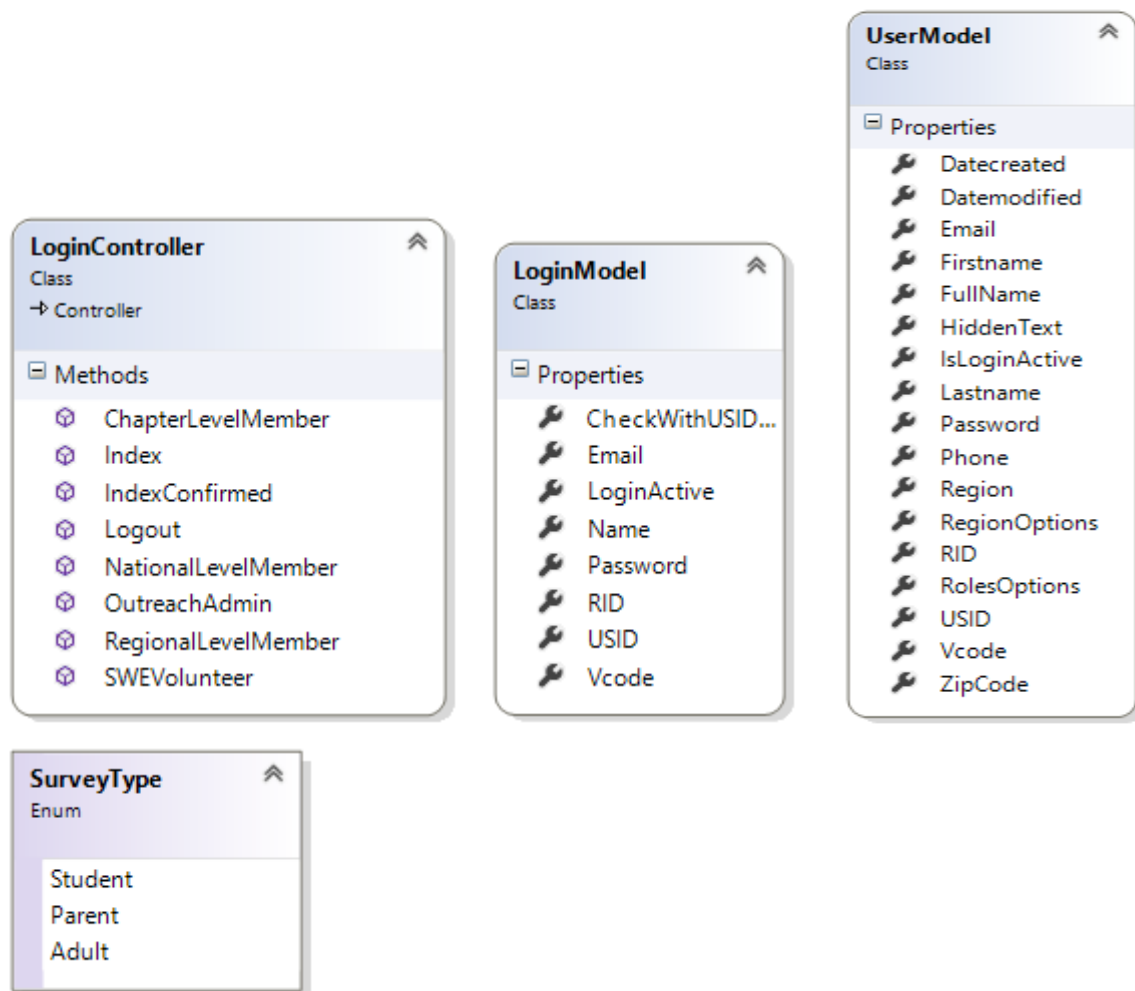
In SWEN OAWP, we are using AWS based Dynamo DB. It is a NoSQL and cloud based database. It has high durability, availability and synchronous replication across multiple datacenters.



## 3.2 SWE OAWP DESIGN

### 3.2.1 Class Diagram

Following are the classes and methods in SWE OAWP.



**UserController**  
Class  
→ Controller

Fields

- people

Methods

- Create
- CreateConfirmed
- Delete
- Deleteconfirmed
- Details
- Edit
- EditConfirmed
- EmailExist
- Reset
- UsersList

**ManageFeedbackController**  
Class  
→ Controller

Methods

- A\_Grade
- Age
- Agree\_Disagree
- FeedbackFirst
- FeedbackFirstConfirmed
- Infographics
- Number

**Helper**  
Static Class

Methods

- base64Decode
- base64Encode
- EncodePassword
- EncodePasswordMd5
- GenerateFDID
- GeneratePassword
- GenerateUSID
- GetUniqueKey
- ToAbsoluteUrl

**FeedbackFor**  
Class

Properties

- EventName
- SurveyID
- SurveyType

**TestController**  
Class  
→ Controller

Methods

- TestCheck

**ManageFeedbacks**  
Class

- Fields
  - A\_G
  - Agree\_List
  - Infolist
- Properties
  - Ag\_Dis
  - AOB
  - AOG
  - CheckToOnlineTable
  - DateofEvent
  - EmailID
  - EventName
  - EventType
  - Ex
  - FeedbackID
  - FLS
  - GetOnlineSurveyData
  - I\_Age
  - I\_Com
  - I\_Grade
  - I\_Number
  - MALCode
  - No\_Survey\_Text
  - NOB
  - NOG
  - NumOV
  - NumSWEV
  - Region
  - RegionOptions
  - RID
  - SectionL
  - SectionN
  - SectionNum
  - SurveyID
  - SurveyIDValueHolder
  - SurveyType
  - UserName
  - USID
  - ZipCode

**SWEN\_DynamoUtilityClass**  
Static Class

- Fields
  - USIDvalue
- Methods
  - CheckEmailWRTUSID
  - CheckRIDwithUSID
  - CountFromRespondent
  - DeploymentStepFinal
  - DeploymentStepFirst
  - DeploymentStepFive
  - DeploymentStepSecond
  - DeploymentStepSixth
  - DeploymentStepThird
  - DeploymentStepThirdCustom
  - FeedbackListPageFirst
  - FetchEmailfromUSID
  - FetchEventNameFromSID
  - FetchNamefromUSID
  - FetchRegionfromUSID
  - FetchRIDfromUSID
  - FetchUSIDfromEmail
  - FetchUSIDfromSurveyID
  - FetchZipCodefromUSID
  - ParticipantUpdateRespondent
  - PushFeedIDs
  - SendEmail
  - SetSurveyCompleteFlag
  - SurveyEditorNavigation
  - UpdateDynamoDBItem
  - UpdateRespondent

**ParentSurveyModel**  
Class

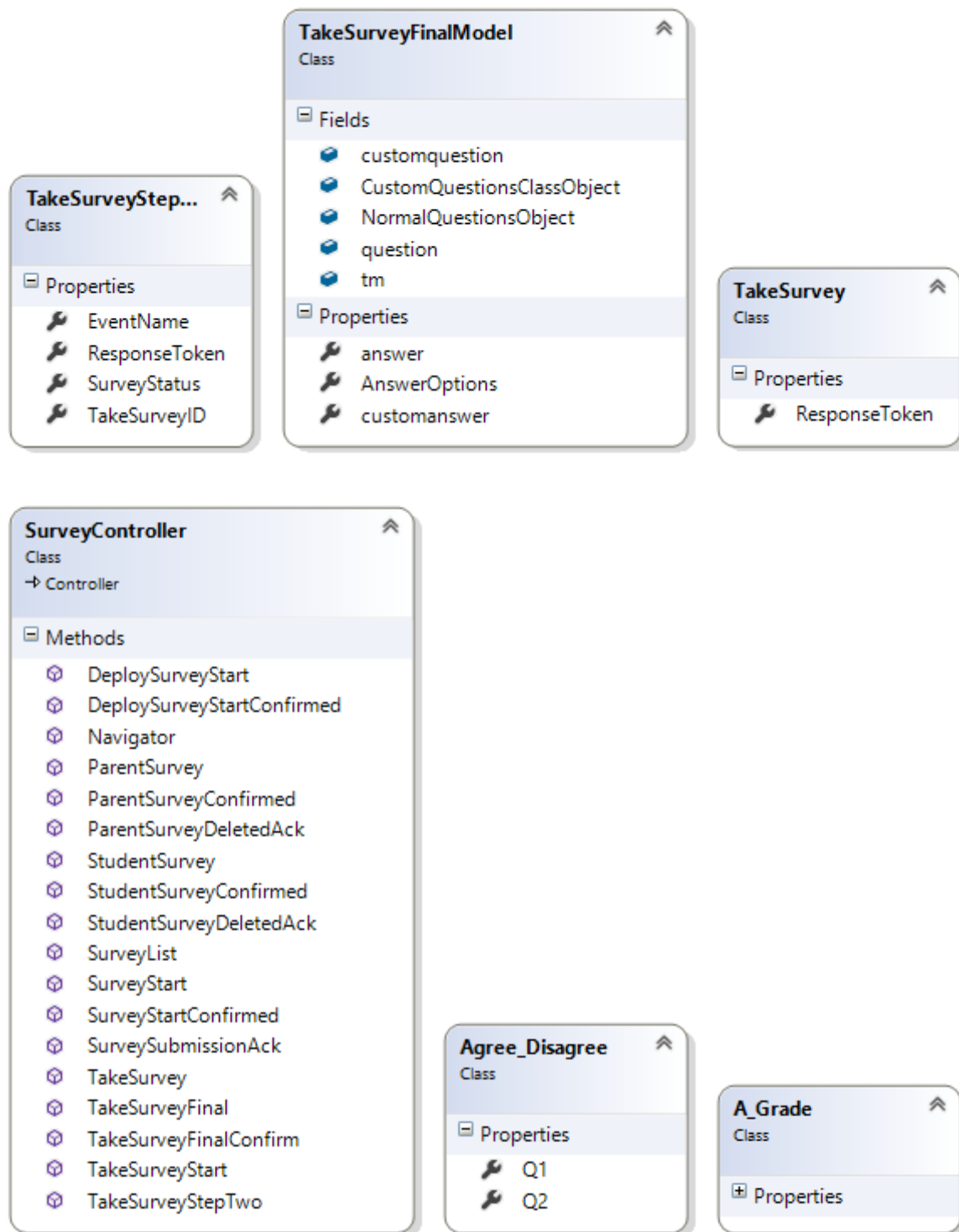
Properties

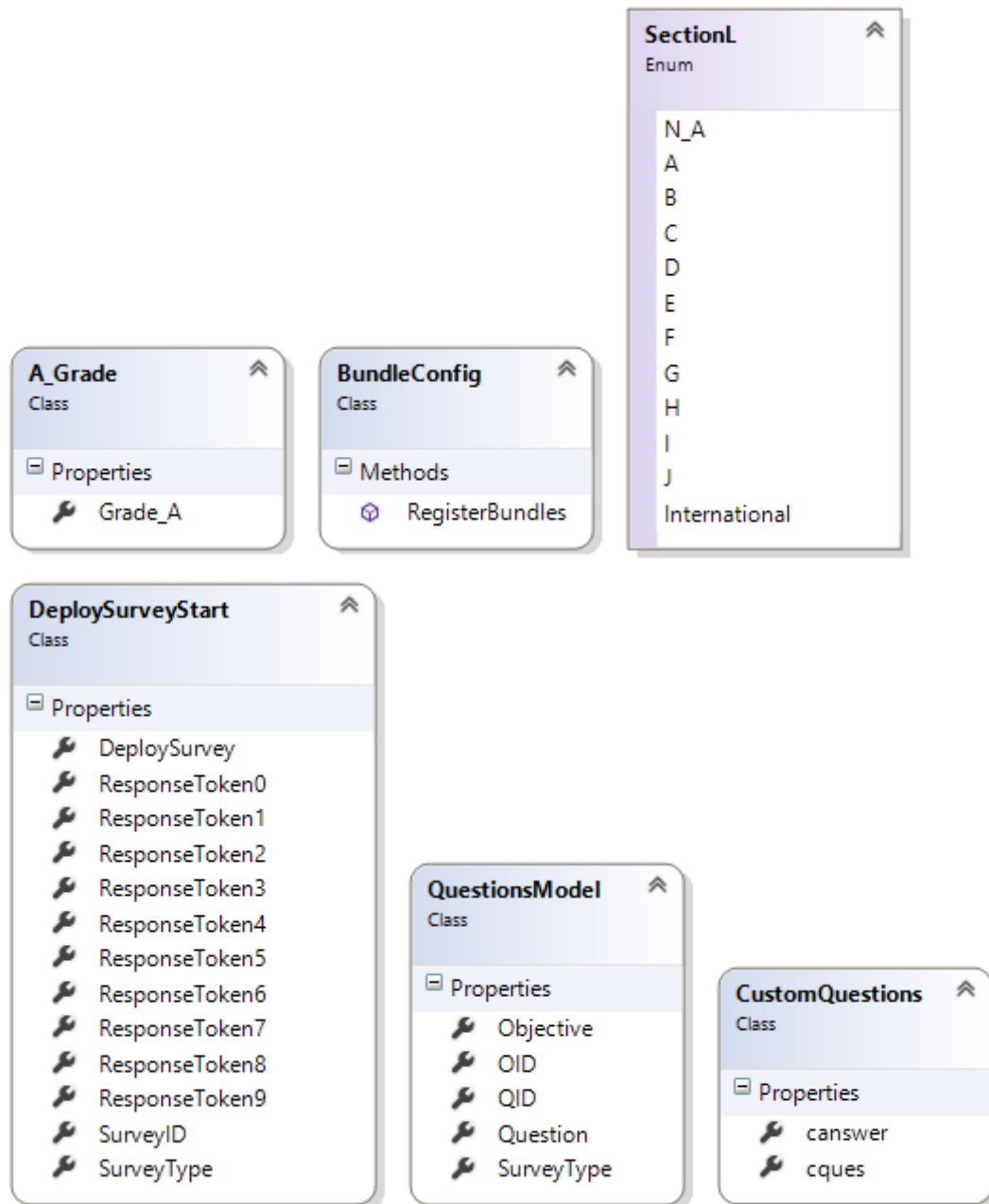
- CustomQuestion1
- CustomQuestion2
- CustomQuestion3
- CustomQuestion4
- CustomQuestion5
- EventName
- O1\_Q1
- O2\_Q1
- O3\_Q1
- O4\_Q1
- O5\_Q1
- O5\_Q2
- O5\_Q3
- O6\_Q1
- O7\_Q1
- O7\_Q2
- O7\_Q3
- O7\_Q4
- O7\_Q5
- O8\_Q1
- O8\_Q2
- O8\_Q3
- Objective1
- Objective2
- Objective3
- Objective4
- Objective5
- Objective6
- Objective7
- Objective8
- Objective9
- OID
- QID
- SurveyID
- SurveyofType
- USID

**StudentSurveyModel**  
Class

Properties

- CustomQuestion1
- CustomQuestion2
- CustomQuestion3
- CustomQuestion4
- CustomQuestion5
- EventName
- O1\_Q1
- O1\_Q2
- O1\_Q3
- O1\_Q4
- O1\_Q5
- O1\_Q6
- O10\_Q1
- O10\_Q2
- O10\_Q3
- O10\_Q4
- O2\_Q1
- O2\_Q2
- O2\_Q3
- O2\_Q4
- O2\_Q5
- O2\_Q6
- O3\_Q1
- O4\_Q1
- O4\_Q2
- O5\_Q1
- O5\_Q2
- O5\_Q3
- O6\_Q1
- O7\_Q1
- O8\_Q1
- O9\_Q1
- O9\_Q2
- O9\_Q3
- O9\_Q4
- Objective1
- Objective10
- Objective11
- Objective2
- Objective3
- Objective4
- Objective5
- Objective6
- Objective7
- Objective8
- Objective9
- OID
- QID
- SurveyID
- SurveyofType
- USID





### 3.2.2 AWS Dynamo DB Design

AWS Dynamo DB is the No SQL Database; that means that table structure is never permanent. Partition Keys (and Sort keys) are the primary key of tables. At the time of table definition, declaration partition (and Sort Key) is mandatory. The rest of the attributes may change according to the item characteristics.

Data Table: User

User [Close](#)

Overview

Items

Metrics

Alarms

Capacity

Indexes

Triggers

Recent alerts

No CloudWatch alarms have been triggered for this table.

Stream details

Stream enabled

No

View type

-

Latest stream ARN

-

Manage Stream

Table details

Table name

User

Primary partition key

USID (Number)

Primary sort key

-

Tree ▾	
+	Datecreated String : 4/21/2017 1:38:26 AM
+	Datemodified String : 4/21/2017 1:38:26 AM
+	Email String : vibhuti.gupta@ttu.edu
+	FirstName String : Vibhuti
+	IsLoginActive String : True
+	LastName String : Gupta
+	Password String : E6-F7-AB-40-A4-22-87-94-98-40-76-75-6B-84-68-D5
+	Phone Number : 8065006843
+	Region String : USA
+	RID Number : 2
+	USID Number : 136394520170421
+	Vcode String : D5bb255D2D
+	ZipCode String : 00000

## Data Table: Surveys Feedback

Overview	Items	Metrics	Alarms	Capacity	Indexes	Triggers
----------	-------	---------	--------	----------	---------	----------

### Recent alerts

No CloudWatch alarms have been triggered for this table.

### Stream details

Stream enabled	No
View type	-
Latest stream ARN	-
Manage Stream	

### Table details

Table name	SurveysFeedback
Primary partition key	USID (String)
Primary sort key	FeedbackID (String)



Tree

▼ Item {16}

+

A Grade String : 27

+

A\_Boys String : 5

+

A\_Girls String : 5

+

Date of Submission String : 04-17-2017

+

FeedbackID String : 311094520170417

+

MAL Code String : C5

+

N\_Boys String : 5

+

N\_Girls String : 34

+

NOV String : 5

+

NSWE String : 5

+

O1\_Q1\_A String : 27

+

O1\_Q2\_A String : 45

+

Region String : AR

+

RID String : 1

+

USID String : 1830364520170404

+

ZipCode String : 78990

## Data Table: Survey Catalog

SurveyCatalog [Close](#)

Overview Items Metrics Alarms Capacity Indexes Triggers

### Recent alerts

No CloudWatch alarms have been triggered for this table.

### Stream details

Stream enabled	No
View type	-
Latest stream ARN	-
<a href="#">Manage Stream</a>	

### Table details

Table name	SurveyCatalog
Primary partition key	SurveyID (String)
Primary sort key	-

Tree ▾

⌵

⌵

▼ Item {55}

- ⊕ CQ1 String : Null
- ⊕ CQ2 String : Null
- ⊕ CQ3 String : Null
- ⊕ CQ4 String : Null
- ⊕ CQ5 String : Null
- ⊕ EventName String : Mano-Parent-Survey
- ⊕ 01 String : True
- ⊕ 010 String : false
- ⊕ 010\_Q1 String : false
- ⊕ 010\_Q2 String : false
- ⊕ 010\_Q3 String : false
- ⊕ 010\_Q4 String : false
- ⊕ 011 String : false
- ⊕ 01\_Q1 String : True
- ⊕ 01\_Q2 String : false
- ⊕ 01\_Q3 String : false
- ⊕ 01\_Q4 String : false
- ⊕ 01\_Q5 String : false
- ⊕ 01\_Q6 String : false
- ⊕ 02 String : False
- ⊕ 02\_Q1 String : False
- ⊕ 02\_Q2 String : false
- ⊕ 02\_Q3 String : false
- ⊕ 02\_Q4 String : false
- ⊕ 02\_Q5 String : false

⊕ 02\_Q6 String : false  
⊕ 03 String : False  
⊕ 03\_Q1 String : False  
⊕ 04 String : True  
⊕ 04\_Q1 String : True  
⊕ 04\_Q2 String : false  
⊕ 05 String : False  
⊕ 05\_Q1 String : False  
⊕ 05\_Q2 String : False  
⊕ 05\_Q3 String : False  
⊕ 06 String : True  
⊕ 06\_Q1 String : True  
⊕ 07 String : False  
⊕ 07\_Q1 String : False  
⊕ 07\_Q2 String : False  
⊕ 07\_Q3 String : False  
⊕ 07\_Q4 String : False  
⊕ 07\_Q5 String : False  
⊕ 08 String : True  
⊕ 08\_Q1 String : True  
⊕ 08\_Q2 String : True  
⊕ 08\_Q3 String : False  
⊕ 09 String : False  
⊕ 09\_Q1 String : false  
⊕ 09\_Q2 String : false  
⊕ 09\_Q3 String : false

- + 09\_Q4 String : false
- + SurveyID String : Mano-Parent-Survey
- + SurveyType String : Parent
- + USID Number : 133374520170421

Data Table: Respondent

Respondent [Close](#)

Overview	Items	Metrics	Alarms	Capacity	Indexes	Triggers
----------	-------	---------	--------	----------	---------	----------

## Recent alerts

No CloudWatch alarms have been triggered for this table.

## Stream details

Stream enabled	No
View type	-
Latest stream ARN	-

[Manage Stream](#)

## Table details

Table name	Respondent
Primary partition key	SurveyID (String)
Primary sort key	ResponseToken (String)

Tree ▾	⌵ ⌴
▼ Item {7}	
+	EventName String : C\$
+	01_Q1 String : This event helped me understand what engineers do.
+	01_Q1_A String : Strongly Agree
+	04_Q1 String : This event helped me understand why there are so few women in engineering.
+	04_Q1_A String : Agree
+	ResponseToken String : 444@44444.com
+	SurveyID String : C4

## Data Table: ObjectivesDB

ObjectivesDB [Close](#)

**Overview**

Items

Metrics

Alarms

Capacity

Indexes

Triggers

### Recent alerts

No CloudWatch alarms have been triggered for this table.

### Stream details

**Stream enabled** No  
**View type** -  
**Latest stream ARN** -

[Manage Stream](#)

### Table details

**Table name** ObjectivesDB  
**Primary partition key** OID (String)  
**Primary sort key** SurveyType (String)

Tree ▾



▼ Item {3}

- ⊕ Objectives String : Develop PEP's understanding of what engineers do.
- ⊕ OID String : 01
- ⊕ SurveyType String : Parent

## Data Table: QuestionsDB

QuestionsDB [Close](#)

**Overview**

Items

Metrics

Alarms

Capacity

Indexes

Triggers

### Recent alerts

No CloudWatch alarms have been triggered for this table.

### Stream details

**Stream enabled** No  
**View type** -  
**Latest stream ARN** -

[Manage Stream](#)

### Table details

**Table name** QuestionsDB  
**Primary partition key** QID (String)  
**Primary sort key** SurveyType (String)

Tree

▼ Item {3}

- ⊕ QID String : 05\_Q2
- ⊕ Question String : My ability to think of many different possible ways to solve a problem is improved.
- ⊕ SurveyType String : Student

Data Table: Roles

<input type="checkbox"/>	RID	RoleType
<input type="checkbox"/>	3	Regional SWE Comittee Member
<input type="checkbox"/>	2	National SWE Comittee Member
<input type="checkbox"/>	4	Chapter SWE Comittee Member
<input type="checkbox"/>	1	Outreach Admin
<input type="checkbox"/>	5	SWE Member Volunteer

## Section 4: Architecture

Below is standard underlying Architecture of SWE OAWP.

1.1 SWE OAWP: Society of Women Engineers Online Assessment Web Portal.

1.2 User Management Module: Module developed to manage SWE member's access to the portal.

1.2.1 Role Manager: Module under 1.1 to manage roles of SWE Members.

1.2.2 Login Module: Module under 1.1 to validate entry of user for secure access.

1.2.2.1 Secure Login: Module under 1.1.2 to cross check entered password with encrypted password.

1.2.2.2 Privileged Access: Module under 1.1.2 to check for particular role of user.

1.2.3 Users Administration: Module to administer SWE Member users in repository.

1.2.3.1 Indexer: Lists all the existing users.

1.2.3.2 Add: Add user to repository.

1.1.3.2.1 Password Encryption: Encrypt password using MD5 and salt.

1.1.3.3 Edit: Edit any existing user.

1.1.3.4 Delete: Delete any existing user.

1.2 Feedback Analyzer: Module under 1.0 to manage feedback processing and exhibition.

1.2.1 Feedback Retriever: Module to receive data from survey.

1.2.1.1 Direct Feedback Module: Module which will enable SWE members to feed in survey.

1.2.1.2 Online Feedback Module: Module which will receive data from electronic surveys taken by general public.

1.2.1.2.1 Resilience Module: Module which will handle network latencies, interrupts and exceptions.

1.2.2 Feedback Processor: Module which will process the data gathered by retriever module.

1.2.2.1 Chapter Level Report: Module which will generate Chapter Level Report data.

1.2.2.2 State Level Report: Module which will generate State Level Report data.

1.2.2.3 National Level Report: Module which will generate National Level Report data.

1.2.3 Feedback Blaze: Module which will exhibit the data.

1.2.3.1 Dashboard: Platform on which data will be shown in graphical form.

1.2.3.2 Access Manager: Module which will control access to dashboard.

1.3 Survey Engine: Module under 1.0 to manage surveys.

1.3.1 Survey Generator: Module under 1.3 to generate surveys.

1.3.1.1 Paper Survey: Module to generate softcopies of surveys e.g. \*.pdf, \*.doc/x. – Future work.

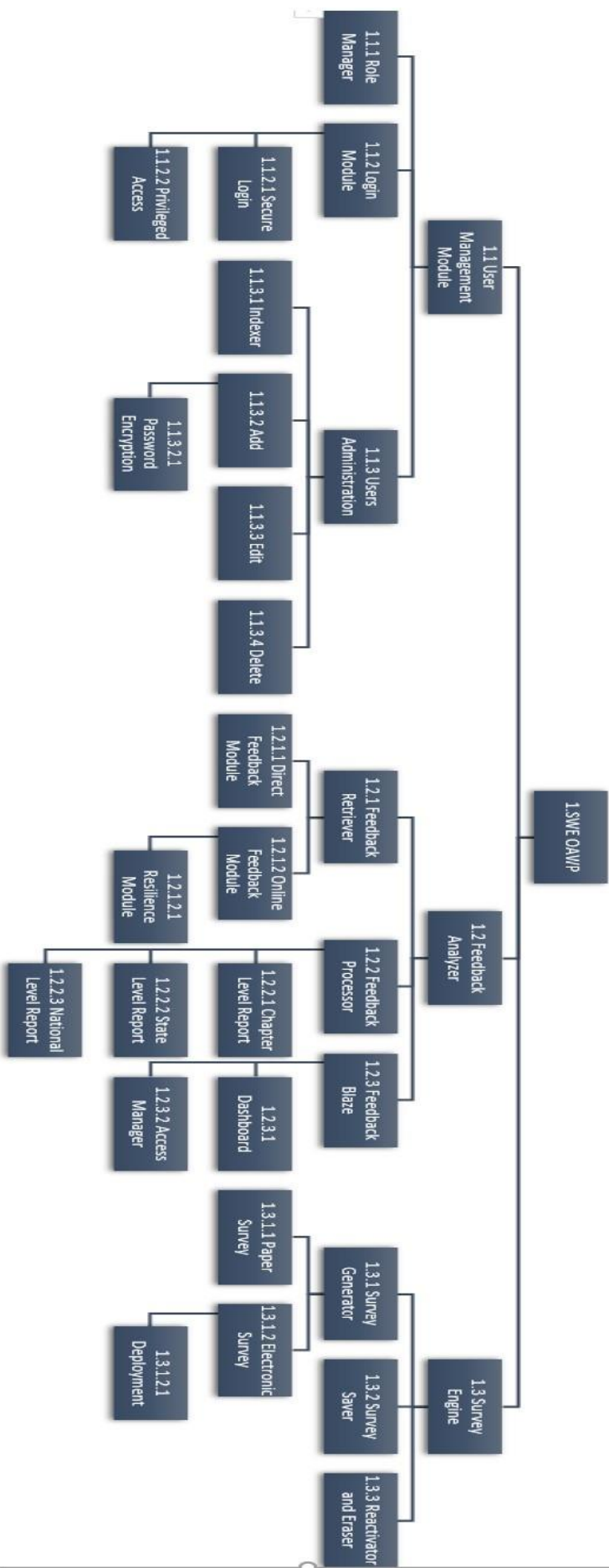
1.3.1.2 Electronic Survey: Module to generate online surveys.

1.3.1.2.1 Deployment: Module under 1.3.1.2.1 to deploy online surveys to general public.

1.3.2 Survey Saver: Module under 1.3 to save surveys.

1.3.3 Reactivator and Eraser: Module to deactivate/reactivate and remove surveys.





## Section 5: SWE OAWP at Runtime

### 1. Home.

Society of Women EngineeringHomeAboutContactTake SurveySWE Member Log in

# Society of Women Engineerig Outreach Assesment Web Portal

[Learn more »](#)

## GOALS

Society of Women Engineers is a non-profit organisation. It helps in empowering women to succeed and advance in the field of engineering. SWE offers training and development programs, networking opportunities, scholarships, and outreach and advocacy activities. According to the mission line of SWE "Stimulate women to achieve full potential in careers as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, and demonstrate the value of diversity." And Vision is "To be key to the success of women in engineering and technology." Primary Goals of SWE are: Professional excellence, Globalisation, Advocacy. SWE offers support at all levels, from K-12 outreach programs and collegiate sections to professional development in the workplace.

[Learn more »](#)

## Outreach Assesment Web Portal

After-event surveys are most common type of feedback practice which SWE teams use. These surveys need to be filled by all the participants. Also, these surveys cover wide range of participants from Students to Parents, and from Teachers to Volunteers. Surveys include open-ended questions, multiple choice questions, agree/disagree, true/false and so on. After that, responses are collected and results are analysed. These results are very useful in marketing, maintaining records, getting sponsors. This project is an effort to ease the current SWE outreach assessment process. Project involves formulation of a web portal using Dot net supported technologies. The high level features of this system will be Survey Administration, Users Administration, Feedback Management, Infographics

[Learn more »](#)

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### 2. About

Society of Women EngineeringHomeAboutContactTake SurveySWE Member Log in

## About.

### More about Society of Women Engineers

For more than six decades, SWE has given women engineers a unique place and voice within the engineering industry. Our organization is centered around a passion for our members' success and continues to evolve with the challenges and opportunities reflected in today's exciting engineering and technology specialties. We invite you to explore the values, principles, and priorities that guide our initiatives and learn how together, WE can continue to make a lasting impact on the future.

[Learn more »](#)

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### 3. Contact

## Contact.

### Society of Women Engineers Contact Information

130 East Randolph Street,  
Suite 3500 Chicago, IL 60601  
P: [1.877.793.4636](tel:18777934636)

SWE Contact Email: [hq@swe.org](mailto:hq@swe.org)

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### 4. SWE Member Login

- Login from Registered Email Address

## SWE Login

Enter your registered email and password

Enter Your UserID or  
Email

Password

••••••••••

Login

[Reset Password](#)

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- Login from User ID

## SWE Login

Enter your registered email and password

Enter Your UserID or  
Email

Password

••••••••••

Login

[Reset Password](#)

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- Reset Password

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

## Reset Password

Lets change your password.

Email

Old Password

New Password

Reset Password

## 5. SWE Dashboard

- SWE Outreach Administrator Dashboard

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

## Welcome Vinay Deshpande

With your current level of memebership, you have following privileges.

[Users Administration](#)
[Surveys Administration](#)
[Manage Feedbacks](#)
[Infographics](#)

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[Log Out](#)

- SWE National, Regional, Chapter Level Member Dashboard

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

## Welcome Vibhuti Gupta

With your current level of memebership, you have following privileges.

[Surveys Administration](#)
[Manage Feedbacks](#)
[Infographics](#)

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[Log Out](#)

- SWE Volunteer Dashboard

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

Welcome Jose Salazar

With your current level of membership, you have following privileges.

Manage Feedbacks

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Log Out

## 6. Users Administration

- SWE Members Catalog

Society of Women Engineering Home About Contact Take Survey SWE Member Log in										
SWE Members Catalog										
Add new SWE Member								Go Back to your DashBoard Log Out		
USID	First Name*	Last Name*	Email address*	Region of Operation*	SWE Membership Role	Phone Number without Country Code	Datecreated	Datemodified	Activate Login for this user	
136394520170421	Vibhuti	Gupta	<a href="mailto:vibhuti.gupta@ttu.edu">vibhuti.gupta@ttu.edu</a>	USA	2	8065006843	4/21/2017 1:38:26 AM	4/21/2017 1:38:26 AM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete
1139244520170411	Test	User	<a href="mailto:t@s.com">t@s.com</a>	USA	2	4567456788	4/11/2017 11:40:11 AM	4/11/2017 4:35:05 PM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete
1147534520170411	New	User	<a href="mailto:new@user.com">new@user.com</a>	TX	3	9999999999	4/11/2017 11:48:13 AM	4/11/2017 11:48:13 AM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete
149404520170421	Vidya	eswarappa	<a href="mailto:vidya.eswarappa@ttu.edu">vidya.eswarappa@ttu.edu</a>	RI	4	8066206961	4/21/2017 1:51:42 AM	4/21/2017 8:56:17 AM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete
133374520170421	Manohar	Kotapati	<a href="mailto:manohar.kotapati@ttu.edu">manohar.kotapati@ttu.edu</a>	USA	2	8067025872	4/21/2017 1:35:50 AM	4/21/2017 1:35:50 AM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete
153414520170421	Jose	Salazar	<a href="mailto:Jose.salazar-iii@ttu.edu">Jose.salazar-iii@ttu.edu</a>	TX	5	8067733097	4/21/2017 1:55:35 AM	4/21/2017 1:55:35 AM	<input checked="" type="checkbox"/>	Edit   Reset Password   Details   Delete

- Add new SWE Member

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

## Welcome User, Add new SWE Member information

---

USID

1307034520170424

SWE Membership Role

Select Role

Phone Number without Country Code

1000000001

First Name\*

First Name

First Name is required

Last Name\*

Last Name

Last Name is required

Email address\*

Default@s.com

Email address is required

Region of Operation\*

Select Region of Operation

Region of Operation is required

Password

Include atleast one special character.

Activate Login for this user

☐

Create

[Back to List](#)

---

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- Edit Users

Society of Women Engineering
Home
About
Contact
Take Survey
SWE Member Log in

## Edit

UserModel

---

USID

1830364520170404

SWE Membership Role

Outreach Admin

Phone Number without Country Code

999999999

First Name\*

Bhavya

First Name is required

Last Name\*

Batra

Last Name is required

Email address\*

bhavyabatra88@gmail.com

Email address is required

Region of Operation\*

United States of America

Activate Login for this user

☒

Save Changes

[Back to Members List](#)

---

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- View Details of Users

Society of Women Engineering

HomeAboutContact

Take SurveySWE Member Log in

Details of Manohar Kotapati

USID

SWE Membership Role

Phone Number without

Country Code

Datecreated

Datemodified

First Name\*

Last Name\*

Email address\*

Region of Operation\*

Activate Login for this user

133374520170421

2

8067025872

4/21/2017 1:35:50 AM

4/21/2017 1:35:50 AM

Manohar

Kotapati

[manohar.kotapati@ttu.edu](mailto:manohar.kotapati@ttu.edu)

USA

☒

[Edit](#) | [Back to List](#)

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- Delete User account

Society of Women Engineering

HomeAboutContact

Take SurveySWE Member Log in

Delete

Are you sure you want to delete this?

UserModel

USID

SWE Membership Role

Phone Number without

Country Code

Datecreated

Datemodified

First Name\*

Last Name\*

Email address\*

Region of Operation\*

ZipCode of Operation\*

Activate Login for this user

152224520170421

4

8065005372

4/21/2017 1:53:03 AM

4/21/2017 1:53:03 AM

Anjiky

Tiwari

[anjikya.tiwari@ttu.edu](mailto:anjikya.tiwari@ttu.edu)

TX

79415

☒

Delete

 | [Back to List](#)

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## 7. Surveys Administration

- Survey List –

### Admin View

Society of Women Engineering

Home

About

Contact

Take Survey

SWE Member Log In

SurveyList

[Create New Survey](#)[Go Back to your DashBoard](#)

SurveyID	EventName	User ID	Survey Type	
3456	dfgfu	136394520170421	Parent	<a href="#">Edit/Deploy/Delete Surveys</a>
2	Amazon Interview	152224520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
Mano-Parent-Survey	Mano-Parent-Survey	133374520170421	Parent	<a href="#">Edit/Deploy/Delete Surveys</a>
Vinay07	College Survey	49514520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
ManoTest123	ManoTestEvent	133374520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
sss	ssss	1830364520170404	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
ch	chhh	1830364520170404	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
1234	college	136394520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
TT	TT	1830364520170404	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
tt	tt	1830364520170404	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
Was1	Was	147504520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>
C4	C\$	1830364520170404	Parent	<a href="#">Edit/Deploy/Delete Surveys</a>
Check	Check	1830364520170404	Student	<a href="#">Edit/Deploy/Delete Surveys</a>

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### Member View

Society of Women Engineering

Home

About

Contact

Take Survey

SWE Member Log In

SurveyList

[Create New Survey](#)[Go Back to your DashBoard](#)

SurveyID	EventName	User ID	Survey Type	
3456	dfgfu	136394520170421	Parent	<a href="#">Edit/Deploy/Delete Surveys</a>
1234	college	136394520170421	Student	<a href="#">Edit/Deploy/Delete Surveys</a>

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- Create Survey

Society of Women Engineering

Home

About

Contact

Take Survey

SWE Member Log In

Create Your Survey

ParentID

136394520170421

SurveyID

Main

EventName

Event

SurveyType

Student

Next

[Back to List](#)

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## StudentSurvey

You are working on Student Survey

SurveyID Main

SurveyorType Student

EventName Event

Develop students understanding of  
what engineers do. ☐

Before this event, I knew what an engineer did. ☐

After this event, I know what an engineer does. ☐

Engineers are innovative.(They come up with new ideas and inventions.) ☐

Engineers are creative. ☐

Engineers do work that is hands-on. ☐

Engineers work in many different kinds of career fields. ☐

Change negative attitudes about  
engineering careers. ☐

Before this event, I was interested in becoming an engineer. ☐

After this event, I am interested in becoming an engineer. ☐

Open Ended Questions ☐

Do you consider today's event as an A-Grade event ? [Strongly Agree = A Grade, Strongly  
Disagree = D Grade] ☐

Did you like most of the part about the event today? ☐

If you were in charge, would you like to change this event? ☐

Would you recommend that other kids participate in events like this? ☐

Demographic Questions ☒

I am (Gender): ☒

How old are you? ☐

With what races or ethnicities do you most identify? ☐

What grade are you going to? ☐

Custom Questions ☒

First Question

Second Question

Third Question

Fourth Question

Fifth Question

[Back to List](#)

- Deploy Survey

Society of Women Engineering

Home

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Contact

# DeploySurveyStart

DeploySurveyStart

SurveyID

New Survey

Email Addresses  
Seperated with  
commas

Deploy

[Back to Survey](#)

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Society of Women Engineering

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Contact

Take Survey

SWE Member Log in

## Your Survey has been deployed successfully.

[Go Back to your Survey List](#)

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- [Edit /Delete Survey](#)

## StudentSurvey

You are working on Student Survey

**SurveyID** Vinay07  
**SurveyofType** Student  
**EventName** College Survey

Develop students understanding of what engineers do.
☒

Before this event, I knew what an engineer did. ☒

After this event, I know what an engineer does. ☐

Engineers are innovative.(They come up with new ideas and inventions.) ☐

Engineers are creative. ☒

Engineers do work that is hands-on. ☐

Engineers work in many different kinds of career fields. ☐

Change negative attitudes about engineering careers.
☒

Before this event, I was interested in becoming an engineer. ☒

After this event, I am interested in becoming an engineer. ☐

What grade are you going to? ☐

Custom Questions ☒

First Question Engine

Second Question Engine

Third Question Null

Fourth Question Null

Fifth Question Null

[Back to List](#)

## 8. Manage Feedbacks

- Admin\National Level Member View

Society of Women Engineering

Home

About

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Take Survey

SWE Member Log in

Welcome, Bhavya Batra

Give back a feed !!

[Go Back to your DashBoard](#)

[Log Out](#)

Bhavya Batra's Information

User ID :1830364520170404

Email :bhavyabatra88@gmail.com

Feedback ID :1350534520170424

EventName

Check

Date of Feedback

04/24/2017

Type of Event

Number of Girls

0

Number of Boys

0

Average age of Girls

0

Average of Boys

0

Section Number/ MAL

N\_A

Code

N/A

Region

Feedback Region

Feedback for ZipCode\*

0

Submit Feedback

Following Online Surveys have some responses. If you want to include feedback from online surveys, Please Choose the online survey associated with this event from the following.

Link Online Survey Report for this Feedback

☒

SurveyID	EventName	Survey Type
<input type="radio"/> ss	ssss	Student
<input type="radio"/> ch	chhh	Student
<input type="radio"/> C4	C\$	Parent
<input type="radio"/> Check	Check	Student

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- Regional Level Member View

Society of Women Engineering

Home

About

Contact

Take Survey

SWE Member Log in

Welcome, Abdullah Ejaz

Give back a feed !!

[Go Back to your DashBoard](#)

[Log Out](#)

Abdullah Ejaz's Information

User ID :147504520170421

Email :abdullah.ejaz@ttu.edu

Feedback ID :1355454520170424

Region :TX

EventName

Date of Feedback

04/24/2017

Type of Event

Following Online Surveys have some responses. If you want to include feedback from online surveys, Please Choose the online survey associated with this event from the following.

Either you dont have any Online Survey OR Any of your Online Survey do not have any response yet.

Section Number/ MAL

Code

Feedback for ZipCode\*

Submit Feedback

## Chapter Level\ SWE Volunteer View

Society of Women Engineering [Home](#) [About](#) [Contact](#)

[Take Survey](#) [SWE Member Log in](#)

# Welcome, Mayuresh Indapurkar

Give back a feed !!

[Go Back to your DashBoard](#)

[Log Out](#)

Mayuresh Indapurkar's Information

**User ID** :1425364520170421

**Email** :mayuresh7676@gmail.com

**Feedback ID** :1358494520170424

**Region** :CA, 58965

EventName

Date of Feedback

Type of Event

Section Number/ MAL

Code

Following Online Surveys have some responses. If you want to include feedback from online surveys, Please Choose the online survey associated with this event from the following.

**Either you dont have any Online Survey OR Any of your Online Survey do not have any response yet.**

Submit Feedback

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## 9. Infographics

- Outreach Admin/ National Level View

### Infographics

[Go Back to your DashBoard](#)

[Log Out](#)

Section Number/ MAL Code	Feedback ID :	Date of Feedback	Region	Feedback for ZipCode*	Before/After Event Infographics	A-Grade from Parents Infographics	Number of Boys/Girls Infographics	Age of Boys/Girls Infographics
C5	303574520170417	04-17-2017	AR	78990	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
C5	311094520170417	04-17-2017	AR	78990	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1956104520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1956544520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1957144520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1957554520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1958174520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1958364520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1958514520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1959044520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	1959154520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>

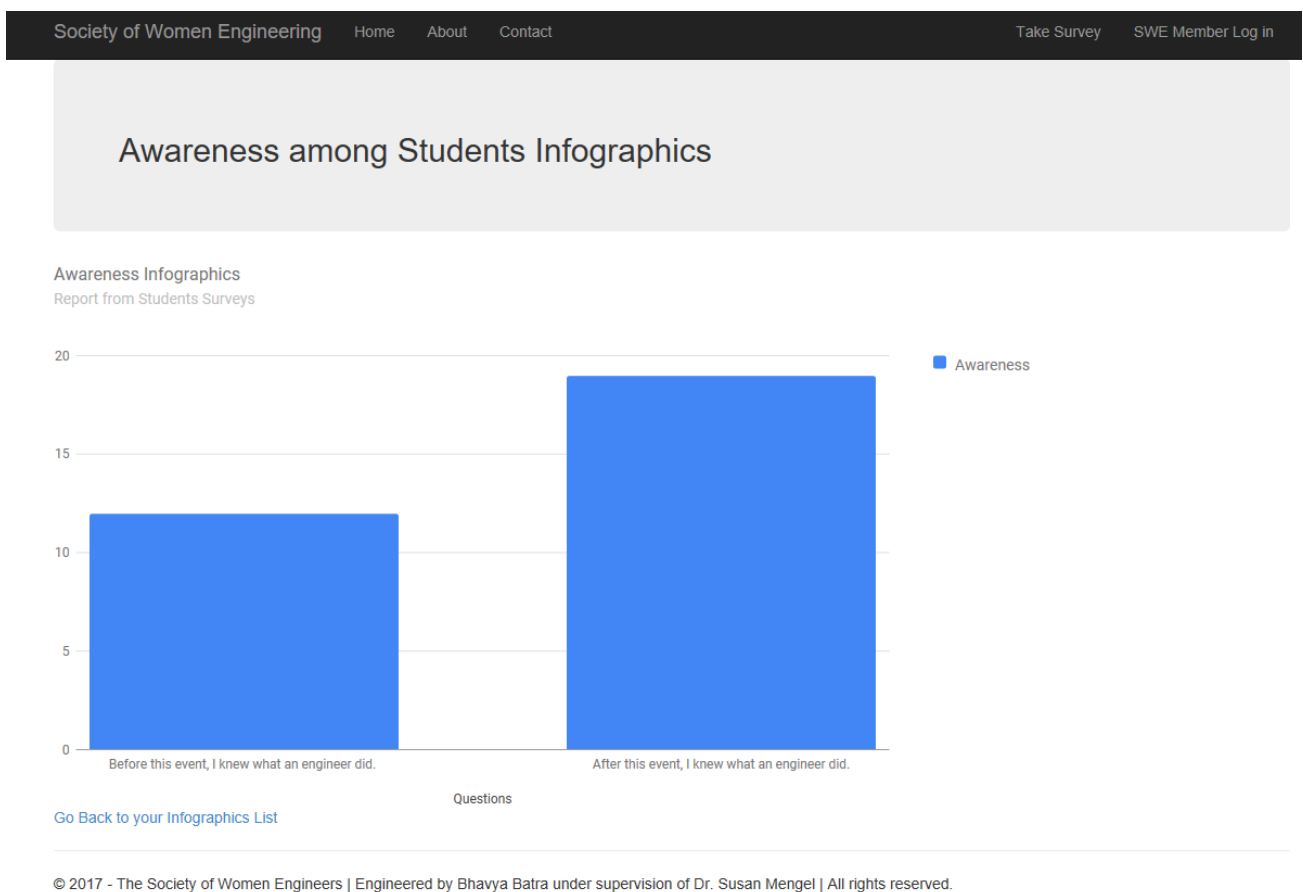
- Regional Level View

F5	2017164520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A4	2017324520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
D6	2018354520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
International2	1430444520170423	04/23/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
F4	1440044520170423	04/23/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
N_A	1441054520170423	04/23/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
N_A	1441164520170423	04/23/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
N_A9	20324520170423	04/23/2017	TX	77777	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>

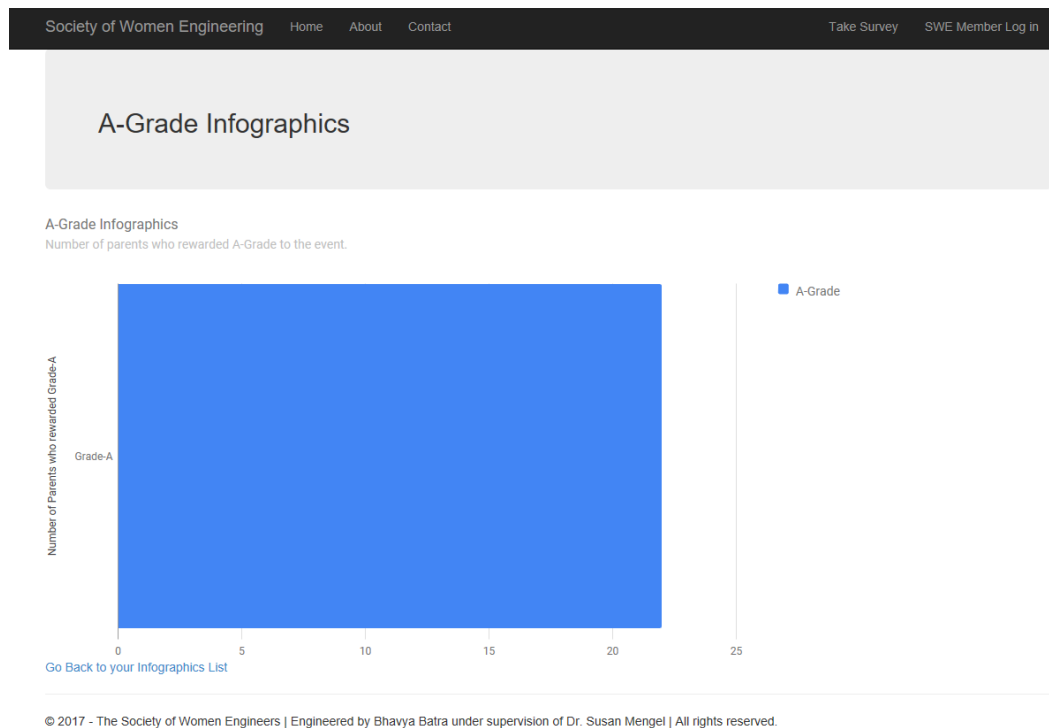
- Chapter Level View

A1	2005494520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
N_A	2006004520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
N_A1	2006144520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A2	2006394520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	2006564520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	2007094520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>
A1	2007204520170422	04/22/2017	TX	79415	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>	<a href="#">View Infographics</a>

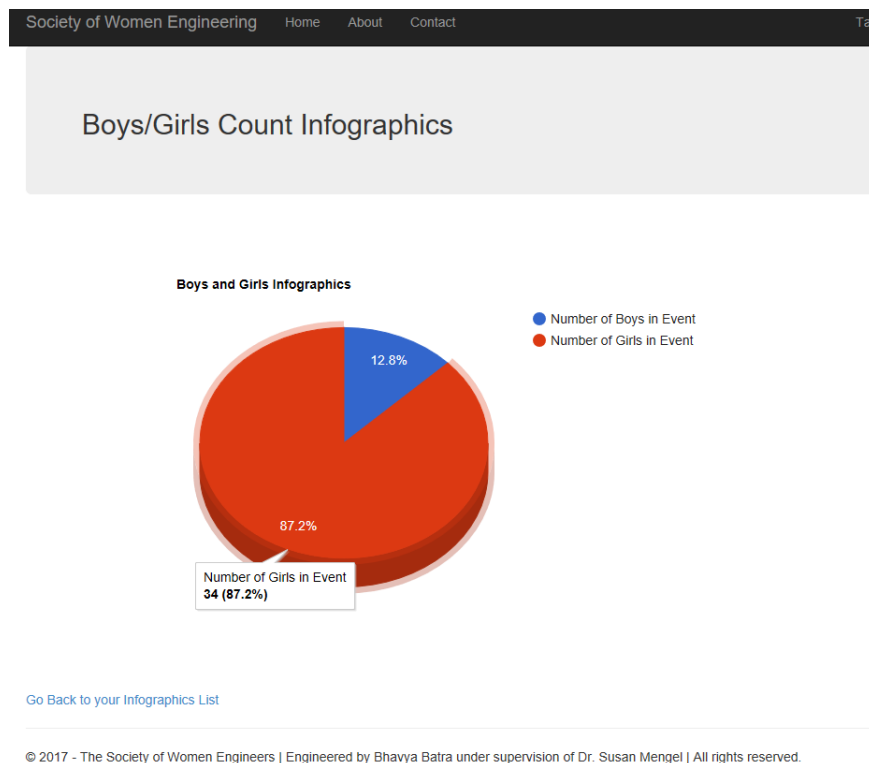
- Before/After Event Infographics



- ## A-Grade from Parents Infographics

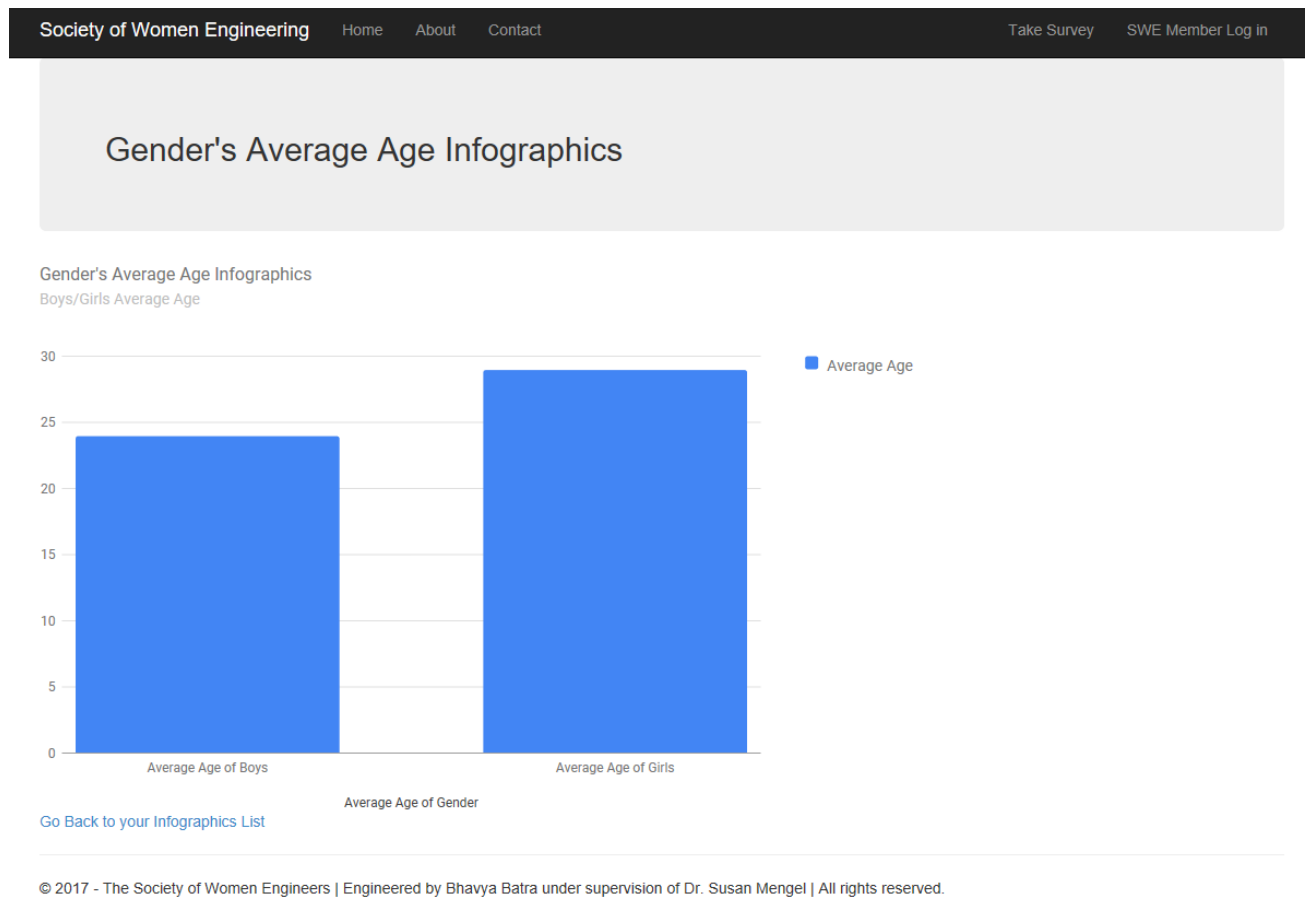


- ## Number of Boys/Girls Infographics





- Age of Boys/Girls Infographics



## 10. Take Survey

Society of Women Engineering Home About Contact Take Survey SWE Member Log in

## TakeSurvey

TakeSurvey

ResponseToken

Create

Back to List

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## TakeSurveyStepTwo

[Create New](#)

Survey ID	Survey Conducted For Event	Your Survey Status	
3456	dfgu	Pending	<a href="#">Open Survey and Submit</a>
2	Amazon Interview	Pending	<a href="#">Open Survey and Submit</a>
Mano-Parent-Survey	Mano-Parent-Survey	Submitted	
1	Event 1	Pending	<a href="#">Open Survey and Submit</a>
Vinay07	College Survey	Pending	<a href="#">Open Survey and Submit</a>
ManoTest123	ManoTestEvent	Submitted	
ss	ssss	Submitted	
ch	chhh	Submitted	
1234	college	Submitted	
Main	Event	Pending	<a href="#">Open Survey and Submit</a>
3	Career Fair	Submitted	

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## TakeSurveyFinal

[Create New](#)

question	answer
Engineers work in many different kinds of career fields.	<div>Agree</div>
Engineers work in many different kinds of career fields.	<div>Strongly Agree</div>
Engineers do work that is fun.	<div>Agree</div>
Before this event, I knew what an engineer did.	<div>Disagree</div>
Engineers do work that allows them to help their community and/or society.	<div>Strongly Agree</div>
Engineers are creative.	<div>Agree</div>
After this event, I am interested in becoming an engineer.	<div>Disagree</div>
Engineers are innovative. (They come up with new ideas and inventions.)	<div>Strongly Agree</div>
My confidence in problem-solving is improved.	<div>Disagree</div>
Engineering is a good career choice for women.	<div>Strongly Disagree</div>

[Submit Survey](#)[Edit](#) | [Details](#) | [Delete](#)

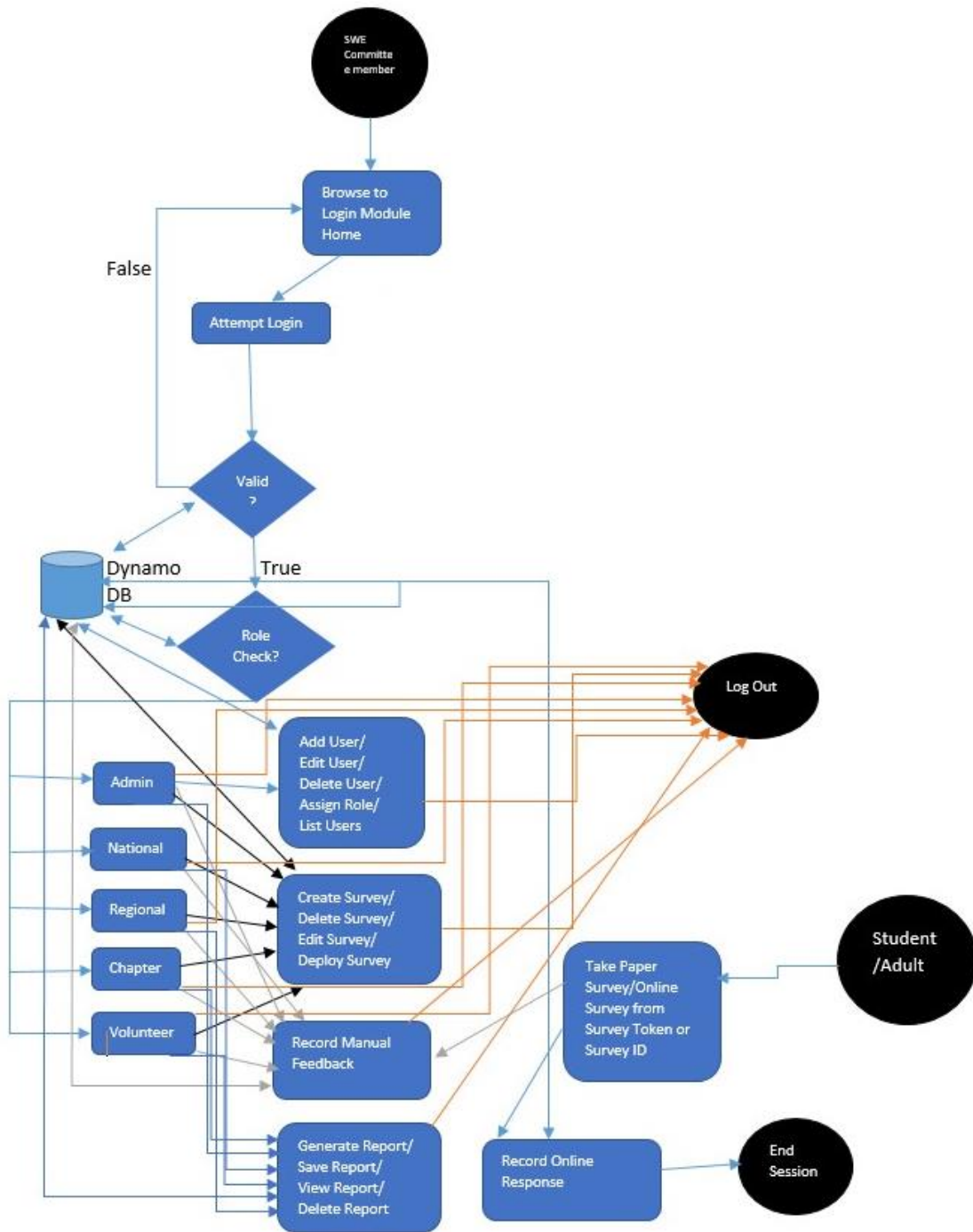
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## This Survey is Submitted.

---

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## Section 6: Activity Diagrams



## 6.1 LOGIN

Login activity flow diagram describes login activity of members and how they will land on different home pages once login credentials and role membership is validated.

## 6.2 Role Manager

This is flow of control until the platform where user with the admin role could manage the roles of SWE Members. It is responsible for user's landing on correct role page if user login is active.

## 6.3 Users Administration

This is continuation of Administrator activity from its Admin home page where s/he can add, omit and emit, list member users.

## 6.4 Surveys Administration

This section enables committee members to create, delete, update and deploy the surveys.

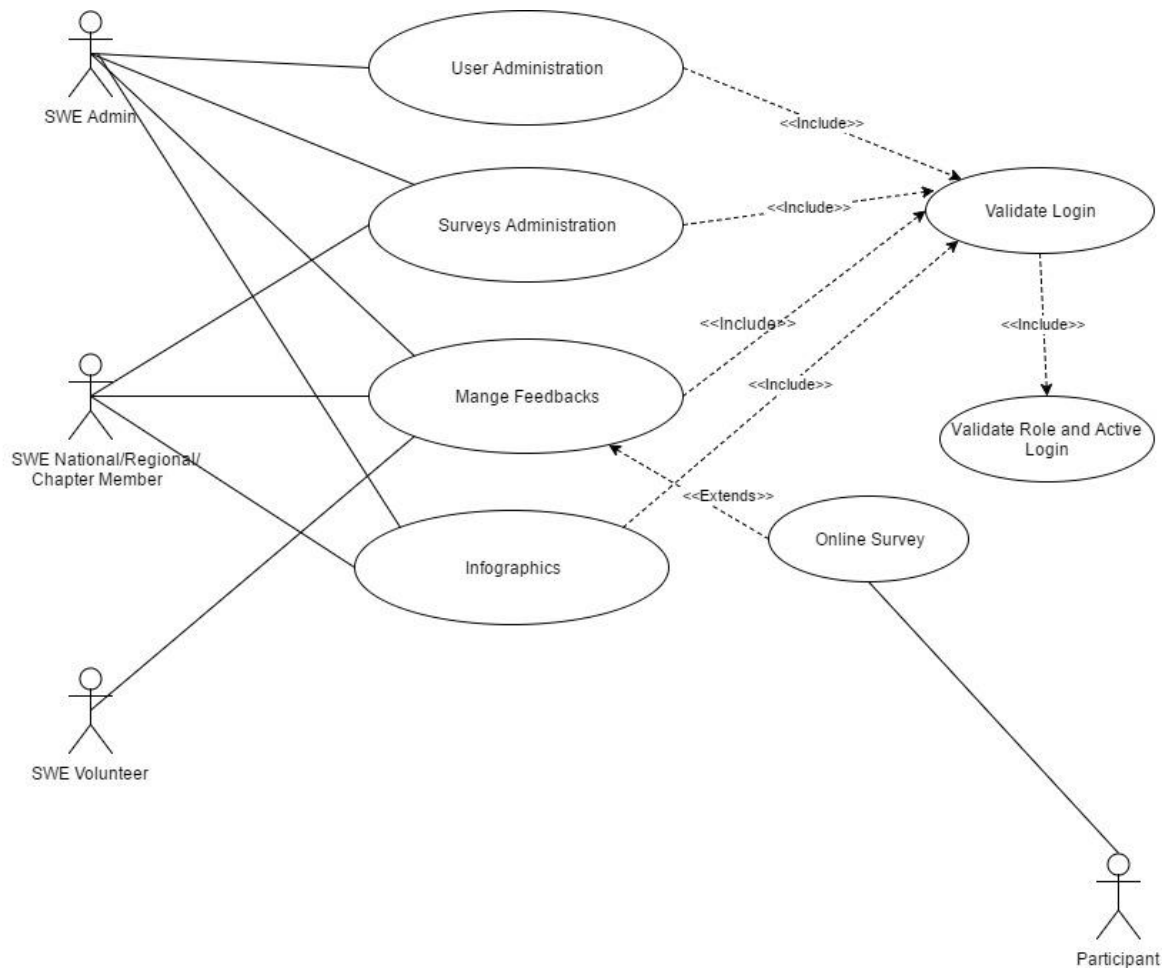
## 6.5 Feedback Management

This section enables members and participants to record feedback of generated surveys whether manually or online.

## 6.6 Infographics

In this section, user with appropriate privileges can view graphical reports on Gender Ration, A-Grade, Average Age and awareness increase.

## Section 7: Use Case Diagram



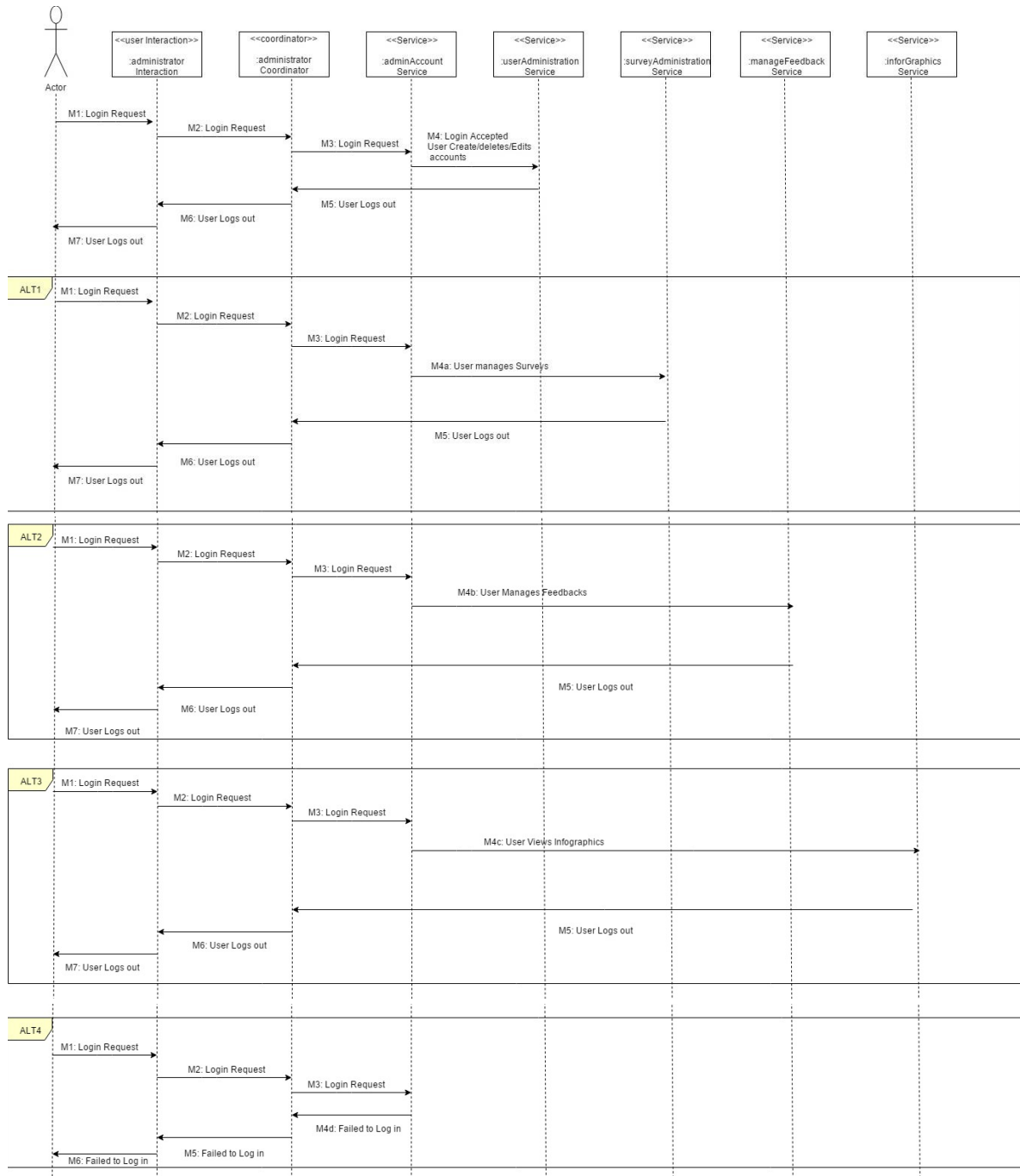
SWE OAWP broadly has four category of actors: -

1. SWE Admin – Use cases for any SWE Admin Are User management, Survey Management, Feedback Management, Reporting Management.
2. SWE Committee member – Use cases for any SWE Committee member are Survey Management, Feedback Management and Infographics.
3. SWE Volunteer – The candidates doing volunteer work for SWE will have access to provide feedback after session.
4. Survey Participants – Survey Participants can take online Student/Adult survey depending upon age.

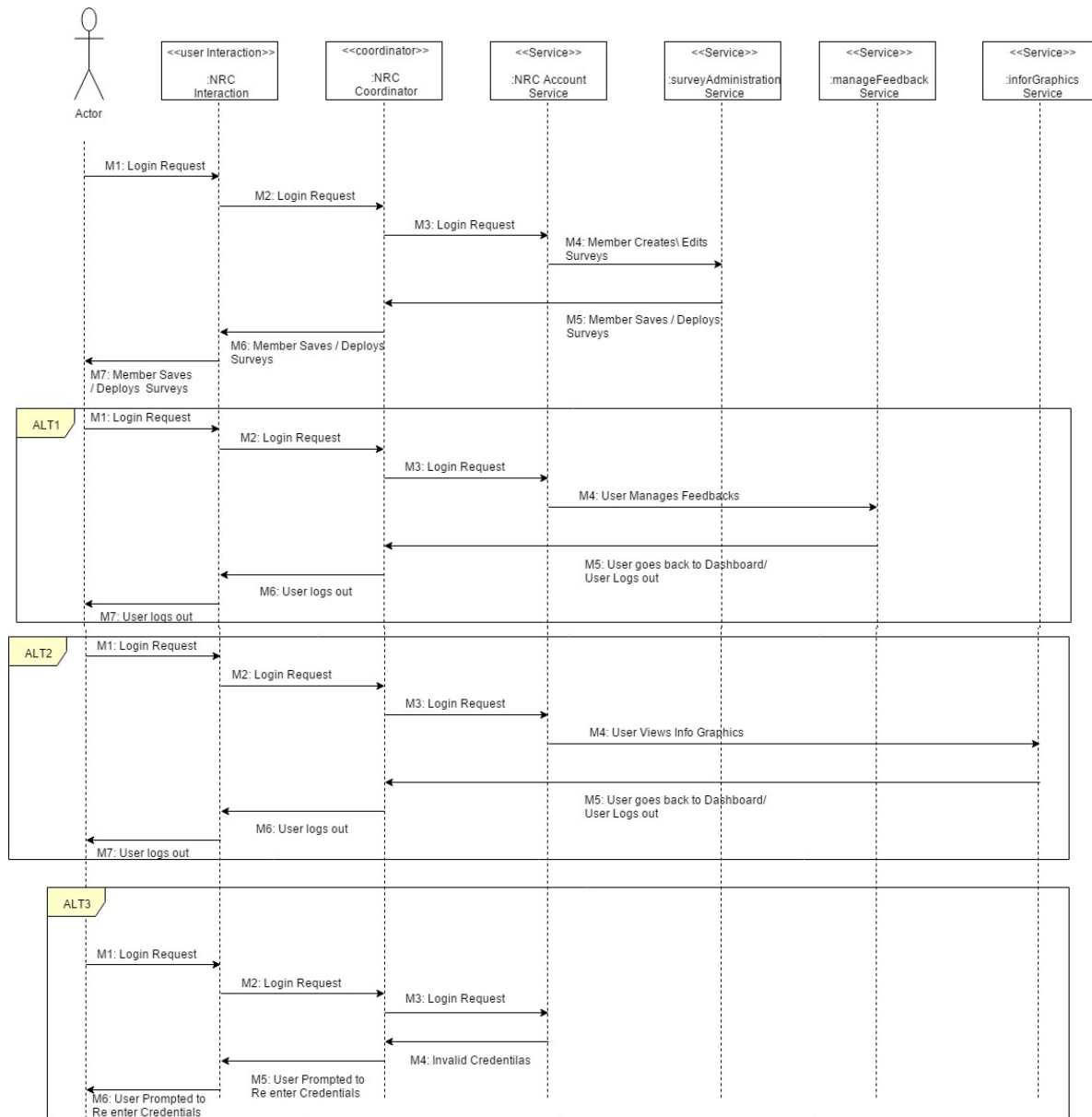
## Section 8: Sequence Diagrams

SWE OAWP broadly has four category of actors and their sequence diagrams are as follows:

- SWE Outreach Admin

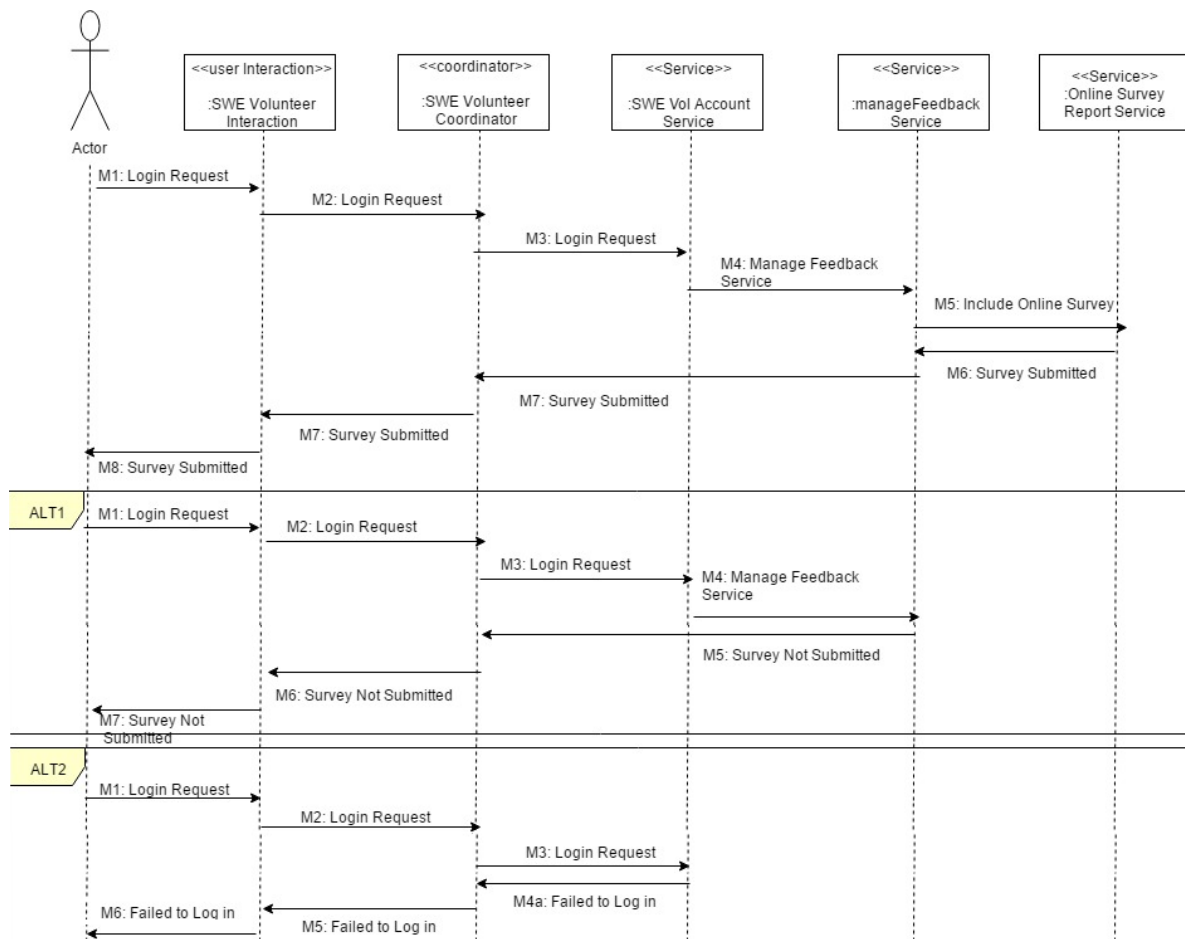


- SWE National/Regional/Chapter Level Members

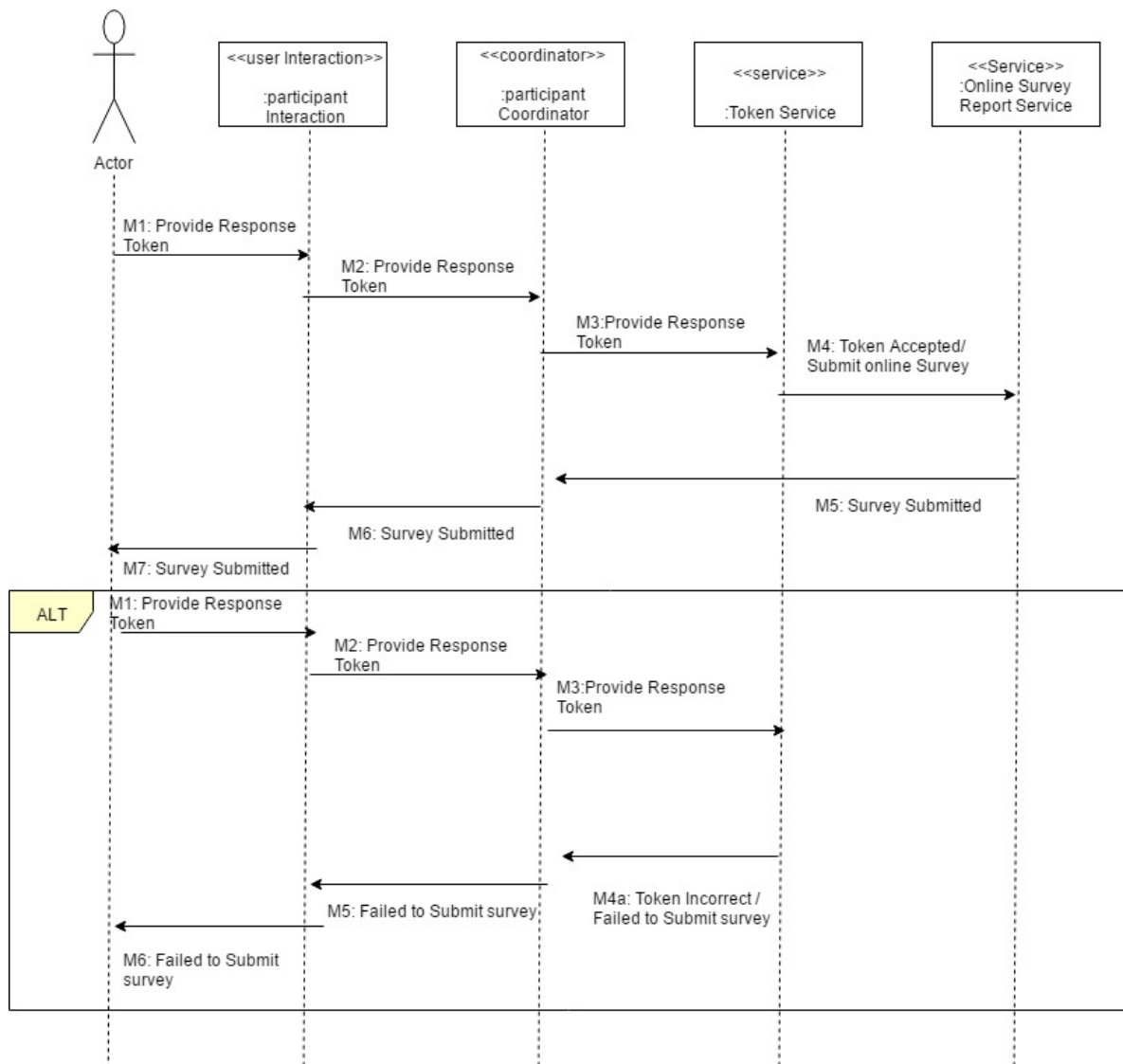




- SWE Volunteer



- Survey Participants



## Section 9: Testing

We have performed thorough unit testing and role based usability testing. Candidates were selected from varied domains and assigned with different roles: -

#Number	Tester Name	Assigned Role	Department
1	Vinay Deshpande	Outreach Admin	CS
2	Manohar Kotapati	National Level Admin	CS
3	Vibhuti Gupta	National Level Admin	CS
4	Abdullah Ejaz	Regional Level Admin	CS
5	Phani Cherukuri	Regional Level Admin	CS
6	Vidya Eswarappa	Chapter Level Admin	CS
7	Anjikya Tiwari	Chapter Level Admin	CS
8	Jose Salazar	SWE Volunteer	Law
9	Gaurav Vinayaka	SWE Volunteer	CS
10	Mayuresh Indapurkar	SWE Volunteer	Data Science
11	Tania Singh	Participant	Law
12	Sara Khan	Participant	Law
13	Arun Jegarkal	Participant	CS
14	Vinay Deshpande	Participant	CS
15	Bhavya Batra	Participant	CSSE

These candidates then ran set of test cases and recorded their results, following are the attached results.

## Results of Testing by Manohar Kotapati

Test Case No.	Test cases for National Level Administrators (Please Execute following test cases for 5-10 times)	Expected Results	Actual Results	Status
1	Login with your User ID Provided .	Successful login	Login successful	Pass
2	Login with your Email Provided.	Successful login	Login successful	Pass
3	Put incorrect password for your login	Unsuccessful login	Unsuccessful login - Login Failed Message	Pass
4	You should see Survey administration, Manage Feedback and Infographics links.		Able to see Survey administration, Manage Feedback and Infographics links.	Pass
5	Click on Survey Admin and create a "Student" survey. Select minimum 3 and maximum 5 head topics and then any number of questions in those topics.	Survey Should be created deployed successfully. It may take some time.	Survey Created	Pass
6	Deploy Survey to following users :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com vinay.deshpande18@gmail.com	Survey Should be created deployed successfully. It may take some time.	Deployed to 5 users. But took more time.	Pass
7	Click on Survey Admin and create a "Parent" survey. Select minimum 3 and maximum 5 head topics and then any number of questions in those topics.	Survey Should be created deployed successfully. It may take some time.	Parent Survey Created	Pass
8	Deploy Survey to following users :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com vinay.deshpande18@gmail.com	Survey Should be created deployed successfully. It may take some time.	Deployed to 5 users. But took more time and Outlook new mail pop-up getting arrived with email id 444@44444.com	Pass
9	Go back to survey List.	You should be able to see your surveys.	Feedback Submitted+A1:F9+D10:D11	Pass

10	Go to Manage Feedback and put random values for data. Select any survey with answers if available and submit feedback.	Feedback should be submitted successfully.	Able to see Survey List	Pass
11	Go Infographics Section. You should be able see all the graphs for all states (if data available for other states.)	All graphs should be visible.	Couple of time Got Login failed error even the user is logged in	Pass
	Random Tests.			
12	Create random surveys			
13	add and delete other surveys which are not deployed		able to delete, add surveys	
14	don't include online surveys even if exist.			

### Results of Testing by Vibhuti Gupta

Test Case No.	Test cases for National Level Administrators (Please Execute following test cases for 5-10 times)	Expected Results	Actual Results	Status
1	Login with your UserID Provided .	Successful login	Successful login	Pass
2	Login with your Email Provided.	Successful login	Successful login	Pass
3	Put incorrect password for your login	Unsuccessful login	Unsuccessful login	Pass
4	You should see Survey administration, Manage Feedback and Infographics links.		Yes	Pass
5	Click on Survey Admin and create a "Student" survey. Select minimum 3 and maximum 5 head topics and then any number of questions in those topics.	Survey Should be created deployed successfully. It may take some time.	Yes	Pass
6	Deploy Survey to following users :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com vinay.deshpande18@gmail.com	Survey Should be created deployed successfully. It may take some time.	Yes	Pass
7	Click on Survey Admin and create a "Parent" survey. Select minimum 3 and maximum 5 head topics and then any number of questions in those topics.	Survey Should be created deployed successfully. It may take some time.	Yes	Pass
8	Deploy Survey to following users :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com vinay.deshpande18@gmail.com	Survey Should be created deployed successfully. It may take some time.	Yes	Pass
9	Go back to survey List.	You should be able to see your surveys.	Yes	Pass
10	Go to Manage Feedback and put random values for data. Select any survey with answers if available and submit feedback.	Feedback should be submitted successfully.	Yes	Pass
11	Go Infographics Section. You should be able see all the graphs for all states (if data available for other states.)	All graphs should be visible.	Yes-Fail a couple of times, but then succeeded.	Pass
	Random Tests.			
12	Create random surveys			
13	add and delete other surveys which are not deployed		Yes	Pass
14	don't include online surveys even if exist.			

## Results of Testing by Joe Salazar

Test Case No.	Test cases for SWE Volunteers (Please Execute following test cases for 5-10 times)	Expected Results	Actual Results	Status
1	Login with your User ID Provided .	Successful login	Successful Login	Pass
2	Login with your Email Provided.	Successful login	Successful Login	Pass
3	Put incorrect password for your login	Unsuccessful login	Unsuccessful Login	Pass
5	When you login, you land on your dashboard.	You should see Feedback Management and your name on the top.	Exactly as expected	Pass
6	Click on Feedback Link and submit feedback with random numbers. You can select any values, enter any values. Select any section codes. Select any section numbers. And submit feedback. (Please submit random 50 feedbacks.)	Your feedback should be submitted successfully every time.	50+ Successful Submissions	Pass
7	Logout	Logout should be successful	Successful log out	Pass

## Results of Testing by Vidya Eswarappa

Test Case No.	Test cases for National Level Administrators (Please Execute following test cases for 5-10 times)	Expected Results	Actual Results	Status
1	Login with your UserID Provided .	Successful login	login successful	PASS
2	Login with your Email Provided.	Successful login	login successful(welcome page)	PASS
3	Put incorrect password for your login	Unsuccessful login	unsuccessful login with error message	PASS
4	You should see Survey administration, Manage Feedback and Infographics links.	Menu List	Menu List as Expected	PASS
5	Click on Survey Admin and create a "Student" survey. Select minimum 3 and maximum 5 head topics and then any number of questions in those topics.	Survey Should be created deployed successfully. It may take some time.	survey is created	PASS
6	Deploy Survey to following users :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com vinay.deshpande18@gmail.com	Survey Should be created deployed successfully. It may take some time.	survey deployed successfully for the provided email id.	PASS
9	Go back to survey List.	You should be able to see your surveys.	Surveys created are present in survey list.	PASS
10	Go to Manage Feedback and put random values for data. Select any survey with answers if available and submit feedback.	Feedback should be submitted successfully.	Feedback submitted successfully	PASS
11	Go Infographics Section. You should be able see all the graphs for all states (if data available for other states.)	All graphs should be visible.	Graphs are visible as expected.	PASS



	Random Tests.			
12	Create random surveys			
13	add and delete other surveys which are not deployed		able to add and delete surveys before deployment	PASS
14	don't include online surveys even if exist.			

### Results of Testing by Vinay Deshpande

Test Case	Expected Result	Actual Result	Status
<b>Login. - Positive Credentials</b>	Successful Login with User Administration, Survey Administration, Manage Feedback and Infographics.	Logged in Successfully with User administration, Survey Administration, Manage Feedback and Infographics.	Pass
<b>Login. - Negative Credentials</b>	Error Screen.	Login in Failed, Please try to Log in Again	Pass
<b>Test all the links and navigation to SWE.org.</b>	No links should be broken.	All the Links navigate to SWE.org	Pass
<b>After Login, go to User Administration and create national level users, regional level users, chapter level user and swe volunteer accounts. Add random information. Manohar Kotapati - National Level Volunteer Vibhuti Gupta - National Level Member Phani Chekuri - Regional Level Member Abdulha - Regional Level Member vidya - Chapter Level Member Anjikya - Chapter Level Member Joe Salazar - SWE Volunteer gaurav-Swe volunteer</b>	Every user should get created successfully.	All The users created Successfully	Pass

<b>Go to Survey Administration -&gt; Create a Student Survey -&gt; Select min 3 max 5 random objectives and then select any number of questions in those objectives. (including custom questions) and then deploy. Survey to :- sara.khan@ttu.edu tania.singh@ttu.edu arun-kumar.jegarkal@ttu.edu bhavyabatra88@gmail.com</b>	Deployment should Succeed.	The Surveys are deployed successfully.	Pass
<b>After getting few responses go to feed back section and enter random values.</b>	Include online feedback of reported data	The Feedbacks have been recorded successfully	Pass
<b>Go to infographics section and check all graphs are showing</b>	all graphs should be displayed successfully.	Graphs renders accurate results	Pass
<b>Random Tests.</b>	Test Navigation, button .	All the buttons, links and indentation of data is perfectly in working condition	Pass
<b>add other more users apart from above.</b>	Add users	users Added Successfully	Pass
<b>delete users</b>	The user should be deleted from the database	The user is deleted from the database also deleted user is not a part of the member list	Pass
<b>add and delete surveys</b>	The survey should be added and deleted from the survey list	The survey added and deleted from the survey list	Pass
<b>try resetting a password for and user apart from list.</b>	The password should be reset	The Password has been reset successfully	Pass
			Pass
<b>Number of Test Cases</b>	<b>Number of Test Cases Passed</b>	<b>Number of Test Cases Failed</b>	
<b>14</b>	<b>14</b>	<b>0</b>	

### Results of Testing by Tania Singh

Test	Status
Login to participant panel.	Success
Visible List of Submitted and pending Surveys.	Success
No link to open Submitted Surveys.	Success
Opened pending surveys successfully.	Success
Answered Dropdown and Custom Questions successfully.	Success
Survey Submitted Successfully.	Success
Survey Status changed from pending to submitted.	Success

### Results of Testing by Arun Jegarkal

Test	Status
Login to participant panel.	Pass
Visible List of Submitted and pending Surveys.	Pass
No link to open Submitted Surveys.	Pass
Opened pending surveys successfully.	Pass
Answered Dropdown and Custom Questions successfully.	Pass
Survey Submitted Successfully.	Pass
Survey Status changed from pending to submitted.	Pass

## Section 10: Future Works

1. **Change Management Model:** Objectives, Roles, User access controls, Questions.
2. **Paper Survey Generation** for latest file formats.
3. **Live** Infographics.
4. **Collaborative graphs** and downloadable formats.
5. **UX/UI** Design.
6. **One click Link** for participants using dedicated Email Relay Server.
7. **International Level Members** – Dashboard.
8. **Upload Email address from excel, csv.**