



IT314: Software Engineering

Lab Session II - Course Project Kick-Off

**Group 17: A platform for creating and managing online polls
and surveys**

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Need for the project solution:

After writing down the need for the project solution where each team member did this task individually and then discussing it among ourselves, we came the conclusion that,

- In the current scenario where data is the next fuel of the world, many people need the customer data, feedback, suggestions to start a new thing or even update the current products. It helps academicians to collect data for research projects. It helps a concerned person to get the public input on something while he/she is trying to bring or implement something new in the market.
- It will be a user-friendly platform where we can create polls & surveys and also share that data with that.
- There should be a dedicated analysis section after the polls where we can get a conclusion after that.
- It helps conducting public or private surveys according to need.
- Also, online polling and surveys help reach a wide range of people as physical interaction is not always an option.

Features for the above discussed needs & requirements and corresponding features:

- There needs to be a security authentication for each user to uniquely identify the user by his/her login details and so that the individual users can access their accounts securely.
- It includes a feature where it gives the user a choice in creating polls or surveys based on their requirements. As surveys allow detailed feedback from the users in contrast to polls which require rapid short feedback from the users.

- The profile page shows the user, his/her information where changes can be made by the user and it also shows the past activities of the user.
- It provides users with different formats of conducting polls or surveys according to the user's needs.
- View analytics to display the result of the polls in a proper required manner so that it can be used efficiently.
- It also provides the facility of exporting the results to be used as per need as it is the core requirement of conducting any survey.
- It notifies the user after completion of the survey and also allows sharing the results to all the people with all the people who participated in the survey.
- It also has a feature to translate the survey in multiple preferred languages by the user. This is a non functional requirement and we are planning to do this by taking the input from the user for the language specification.
- It provides Public and private domain surveys. Admin can create a poll/survey for all the users as well as for restricted users only

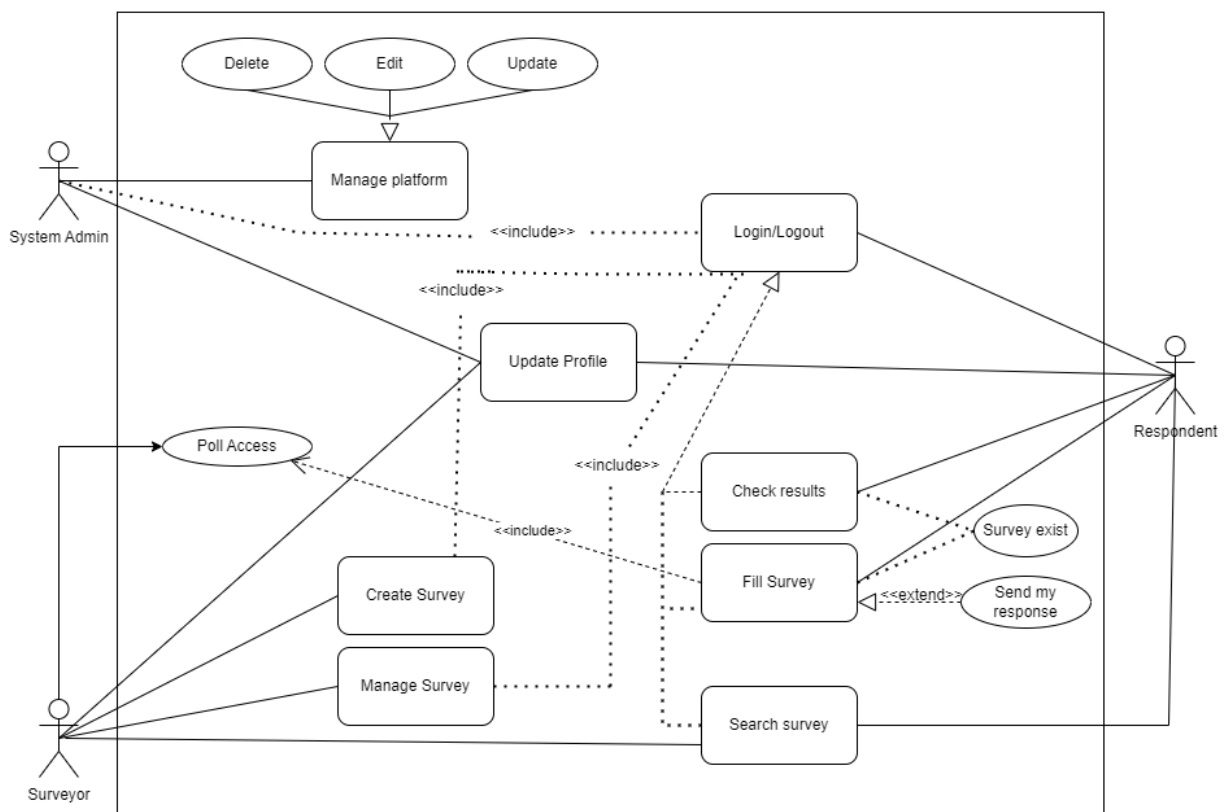
Functional Requirements:

- Login Logout
- Different type of questions, like checkbox, multiple choice, text box etc
- Convert to PDF
- Public and Private domains
- Link generation
- Time limit of pole
- Edit response
- Unique link

Non-functional Requirements:

- Templates
- Multiple access
- Multiple response
- Send a copy of response
- section for survey and form
- Language
- URL shortener

Use case Diagram:



Process Model: Agile Model

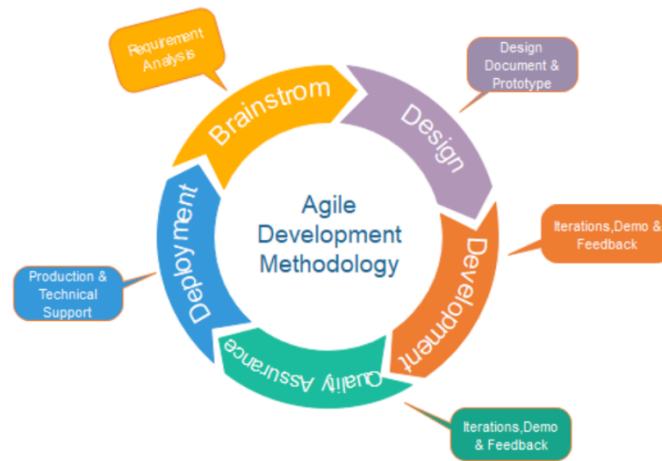


Fig. Agile Model

- As frequent changes are acceptable anytime during the development of the project, it will help us to inculcate various requirements and features.
- We can build a project with only basic and most necessary functionalities initially and add features on top of it over the course of the development cycle.
- Customer feedback will be taken for most of the features included in the project at various changes.
- Design of the project can accommodate changes according to the functionalities added to fulfill final requirements using this model.
- The Feature driven development testing used with Agile model will help us evaluate the small steps of the work that should be obtained separately per function.
- Agile model accommodates a small project size with predefined requirements.
- As we have a limited time frame to develop the complete project and the Agile model reduces the total development time, it is best suited for the project.