



IT314: Software Engineering

Lab Session III - Specifying Functional and Non-Functional Requirements

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

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(1) Write down the set of user stories (both front and back of the card) stating functional and non-functional requirements.

User stories for functional requirements:

No.	User Stories	Acceptance Criteria
1	As a User, I want to create account on the site, so that I can save all the polls and see my work done through the site.	<ul style="list-style-type: none">● Verify that all the required details are filled● Already registered account to not re - register● Verify that the details (email, phone no., etc.) are correct
2	As a registered user, I want to be able to login to the system so that I can access it.	<ul style="list-style-type: none">● Verify the registered and unregistered account● Verify the credentials of the user.
3	As a surveyor, I want to be able to generate a link for the survey, so that I can share the link with others to obtain answers.	<ul style="list-style-type: none">● Verify that the form is stored in the database.
4	As a registered user, I want to be able to make my polls/surveys private or public , so that I can choose the audience of my survey.	<ul style="list-style-type: none">● Verify the surveyor account.● Verify that user provides the domain where he wants to limit the survey if the survey is made private.● Verify that if the survey is set to be private, users who are taking it from a domain outside of it will be blocked.● Verify that after conversion to public, the survey/pole is

		visible on the dashboard search.
5	As a user, I want to be able to limit the time of the poll , so that I can get the data within a certain time without delay.	<ul style="list-style-type: none"> ● Verify that the time limit of the poll should be mentioned clearly so the user should be aware about it. ● Verify that after the time limit, response should not be accepted.
6	As a respondent, I want to be able to edit my response so that I can give appropriate responses to poll/survey.	<ul style="list-style-type: none"> ● Verify that the response was edited before the given time limit.
7	As a user, I want to be able to convert the survey and response of polls/surveys to the PDF file so that I can share it easily to others.	<ul style="list-style-type: none"> ● Verify that the data loss should not happen during the conversion of the file. ● Verify that the user has different options (cloud, system, etc.) for downloading the file
8	As an administrator, I want to approve the surveyor for creating the poll and survey so that they can create and manage the poll/survey .	<ul style="list-style-type: none"> ● Verify that the surveyor has inserted valid credentials on the platform.
9	As a system admin, I want to be able to access the database so that I can see all the registered users and their details.	<ul style="list-style-type: none"> ● Verify that only authorized admins which are already verified can access the database
10	As a system admin, I want to be able to update and delete the registered users so that the	<ul style="list-style-type: none"> ● Verify that only authorized admins which are already verified can access the

	predefined terms and conditions can be applied.	database <ul style="list-style-type: none"> ● All the changes that are made by the admin should be notified to the user through mail
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User stories for non-functional requirements:

No.	User Stories	Acceptance Criteria
1	As a user, I want to be able to respond as well as read questions in a language which I am familiar with so that I understand maximum.	<ul style="list-style-type: none"> ● Verify that the translation of the question(to another language) doesn't change the meaning of the question. ● Make sure that the response also gets translated back to the surveyors preferred language.
2	As a respondent, I want to get a copy of my responses , so that I have a reference for it.	<ul style="list-style-type: none"> ● Verify that the respondent has submitted the form. ● Verify that the respondent has selected “send a copy of my response” while submitting.
3	As a User, I want to access the available templates so that I have convenience to create polls	<ul style="list-style-type: none"> ● Verify that the templates have relevant data only in accordance with the topic ● Verify that the templates can be edited as user requires
4	As a User, I want to shorten the URL of the shareable poll so that it more convenient to spread to a wider audience	<ul style="list-style-type: none"> ● Verify that the URL works fine and links to the correct webpage

5	As a user, I want to give multiple responses so that I can give new responses.	<ul style="list-style-type: none"> • Verify that creator as approved users for multiple responses or not.
6	As a Surveyor, I want to change theme of the poll so that it appeals to the people who are filling the form	<ul style="list-style-type: none"> • Verify that the data already filled is not lost • Verify that the changes made are reflected to the people.

(2) Create the sprints from the product backlog.

Sprint 1:

Time: 1 week

- Determine the features and functionalities required for the platform
- Create platform
- Create a login page
- Create a dashboard
- Create the user profile page

Sprint 2:

Time: 2 weeks

- Create the interface for admin
- Database creation
- Connect the database to individual web pages

Sprint 3:

Time: 2 weeks

- Build the poll/survey creation and management system
- Result analysis on database and graphical representation of results
- Test the basic functionality of the platform
- Convert to PDF, link generation, public and private domains

Sprint 4:**Time: 2 weeks**

- Add non-functional requirements
- Launch the platform
- Collect the feedback from users
- Fix any bugs or issues found during testing