Al-Imam University

Computer Science Department

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King Abdul Aziz Center

for National Dialogue

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Section: 371
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1 Project Description

1.1 Introduction

This document defines the web-based system "King Abdul Aziz center for national dialogue" it provides a detailed description of the website, explains system interfaces, system features, constrains, dependencies and further project details will be provided. It's intended for stakeholders and developers of the project. A BRS will be proposed to stakeholders/ sponsors in order to get their approval with diagrams to facilitate understanding the system and an SRS that will be proposed to developers for a clearer vision whilst working on the project and to make sure the requirements are fulfilled.

1.2 Objectives

The internet has become a main major element in our lives and made it more convenient with just a click, people could find a large amount of information and resources, online booking and much more. To keep pace with development our project aims to make "National Dialogue Award " participation straightforward and effortless plus to provide an easy and simple access for more further details of the award and contacting instead of meeting the agency in charge of the award.

1.3 Functionality and Characteristics

"King Abdul Aziz National Dialogue System" is a web-based system that facilitates registering and participating for an award to any interested individuals or institutions. The system provides website visitors and users the ability to contact the organization, search for any information, make the registration done in a convenience way and less time, check the latest news and updates of the awards and activities. The administrators will be capable to manage the system content smoothly such as awards conditions, nominations, awards definition and to filter participants or information's, in addition facilitates for judges the participants' evaluation and elimination.

1.4 User Characteristics

1. Users: The individuals and Institution who are participating.
2. Visitors: To explore and find general information's about the award.
3. Administrators: The system shall allow them to take control over the whole system.
4. Judges: The system shall allow them to evaluate, eliminate participants and view their information.

1.5 Intended Users

The website aims to inspire people who are talented at dialogue to register and participate in "National Dialogue "award and people who are interested or willing to participate, and to facilitate for judges to evaluate participants, check their personal information, check for new participation forms, and the ability to eliminate participants.

1.6 Challenges

- Not enough human resources.
- Shortage of time/ time pressure.

1.7 Intended Tools

1. Creately (Diagrams).   2. Odoo.   5. Canva.
3. Microsoft Word.   4. Lucid chart.   6. Microsoft Visual Studio.

1.8 Team members background and skills

1. Arwa Al-Qahtani:
   12 months experience at design and testing web, holds a TOFEL degree, good at analysis and teamwork.
2. Shatha Al-Suwaid:
   3 years experience at web development work, good at coding.
3. Ghada Al-Harbi:
   10 years experience at analysis requirements, team manager, good at time management.
4. Norah Al-Marul:
   4 years experience at designing and web development work, good at coding and test bugs.
5. Raghad Al-Fares:
   7 years experience at analysis recruitments, holds an ILETS degree.

1.9 Glossary

NO.	TERM	DESCRIPTION
1	Waterfall Model	It follows a linear sequential approach, and everything should be planned in advance.
2	BRS	Handy document focuses on project details and sponsors expectations it aims to get stakeholders agreement.
3	SRS	Document focuses on the functionalities of project and how it shall perform in details.
4	Award	Prize given to a person for an achievement.
5	Participants	People who applied for an award and competing to achieve it.
6	Nominators	People who applied for an award but haven't been accepted yet.
7	Sponsors	People who support a project and pay for it.
8	Website Users	People who have an account in the website.
9	Administrators	People who have the authorization to manage the system contents.
10	Judges	People who evaluate participants.
11	Visitors	People who have access to the website without an account.
12	Database Server	Used to save and manage databases that are stored in the server and provides an access only to authorized people.
13	NDA	Non - disclosure agreement is a contract between stakeholders meaning that sensitive information should not be available or shared to a third party.
14	Recapatch	System that enables web hosts to distinguish between human and automated access to websites.

1.10 References

Website Name	Website Link
Geeks for Geeks	https://www.geeksforgeeks.org/functional-vs-non-functional-requirements/
Soltech	https://soltech.net/what-are-8-milestones-every-software-project-should-have/
Guru99	https://www.guru99.com/brs-vs-srs-the-myth-busted.html
Win a talent	https://winatalent.com/blog/2020/05/what-are-functional-requirements-types-and-examples/

2 Project Software development Lifecycle

2.1 Software development Lifecycle (SDLC):

The software development process chosen is Plan-drive waterfall model. After stakeholders' meetings and gathering/analysis product's requirements, the requirements seemed to be almost completely identified, clear and developers were able to predict that there will not be much of requirement changes.

2.2 Process phases and milestones:

PHASES	PHASE STEPS:	DESCRIPTION	MILESTONE CRITERIA	SPONSOR APPROVAL	PREDETERMINED DATE
PHASE 1 REQUIREMENTS	M1	Project start	- Identify objective. - Identify and analyze requirements.		22/2/2021
	M2	Start Planning	- Breakdown requirement into tasks. - Identify Team members.		25/2/2021
	M3	BRS	-Gather business requirements. -Produce functional and nonfunctional requirements.	Approval achieved	28/2/2021
	M4	SRS	- Gather system requirements - Produce functional and nonfunctional requirements		8/3/2021
PHASE 2 DESIGNE AND TESTING	M1	Design architecture model	- Analyze the system's architecture -Determine appropriate architectural model		13/3/2021
	M2	Design models	-Select appropriate models to display the activities of the system -Start designing the models		17/3/2021

M3	Design	-Design three different prototypes	1/4/2021
M4	Implementation	- Implement the system	5/4/2021
M5	Testing	-Generate test cases	7/4/2021

3 Project Requirements

3.1 BRS

3.1.1 Project details

PROJECT NAME	KING ABDUL AZIZ CENTER FOR NATIONAL DIALOGUE
PROJECT START DATE	21/2/2021
PROJECT END DATE	22/4/2021
PROJECT OWNER (SPONSOR)	King Abdul Aziz Center for National Dialogue. (Arwa Al-Qahtani – Raghad Al-Fares - Norah Al-Marul - Shatha Al-Suwaid - Ghada Al-Harbi).
PROJECT MANGER	Ghada Al-Harbi.
TEAM DEVELOPERS	Arwa Al-Qahtani – Raghad Al-Fares - Norah Al-Marul - Shatha Al-Suwaid - Ghada Al-Harbi.
DESIGNER	Norah Al-Marul.

3.1.2 Functional Requirement

NO.	FUNCTIONAL REQUIREMENT	DESCRIPTION
1	Registrations (Sign-Up)	The system shall allow users to register in the website after filling in the (signup form).
2	Log-In	Users who already have accounts and judges will be able to log into the website right after filling in the (login form).
3	Password Recovery	The system shall be able to send the account's password to the user's phone number or email incase if users forgot their passwords.
4	Award's Registration	Users will be able to apply and register for an award after choosing the desired award category and filling in the participation form with the needed information.

5	Contact	Display contact information in Page footer.
6	Private Direct Messages	The system shall provide the users a private direct chat with the organization for Suggestion, complaint and questions.
7	Rate Website	The system shall allow users to rate the website.
8	Cancel Participation	The system shall allow participants to cancel their participations.
9	Search	Users and visitors will be able to search for any information.
10	Profile Editing	The system shall allow users to edit their profiles as desired easily.
11	Edit Introductory Banner	The system shall allow administrators to edit and add on the banner.
12	Edit Award's Definition	The system shall allow administrators to edit or add on award's definition .
13	Edit Award's Objectives	Administrators will be able to edit and add on award's objectives .
14	Nomination's Conditions	The system shall allow users and visitors to read briefly about nomination's conditions and for more details they could press on the attached link(award's conditions) , administrators will be able to edit on nomination's conditions.
15	Award's Restrictions	The system shall allow the administrators to edit on previous restrictions or add new ones.
16	Edit on Award's Conditions	Administrators will be able to edit and add on award's conditions .
17	Award's Phases (Stages)	The system shall allow administrators to edit on the phases as needed like adding the specific date for each phase.
18	Edit on Previous Sessions (Awards, Competitions)	Administrators will be able to add sessions as soon as they end to the previous ones and add laureates.
19	Control Over The System	Administrators have the ability to take control over the whole system and can edit, change or add any content as needed.
20	Nominations	Administrators will be able to manage nominations information and create a(pdf, xslx) copy.
21	Filter Nominators and Information	Administrators have the ability to filter nominators and information according to different types and categories of nominators and create a pdf copy containing all nominators of that category for the judges.
22	Laureates	The system shall allow administrators to edit laureates section.
23	Evaluate Participants	The system shall allow judges to evaluate participants easily.
24	Confirm Notifications	The system shall allow administrators to send confirm notifications through email/SMS (after the judge accept them).
25	Eliminate Participants	The system shall allow the judges to eliminate participants.

26	Latest news	The system shall allow the judges to cancel participants. The system shall allow administrators to edit on the latest news like (award's launches dates, laureates and more as preferred).
27	Push email promotions.	The system shall allow administrators to send email promotions to participants.
28	Statistics for website	The system shall show all visitors statistics for website.
29	Daily request	The system shall send daily new registering/participating request.
30	View award's categories, conditions, previous sessions	The system shall allow users and visitors can view award's categories, conditions, previous sessions (awards, competitions).
31	View introductory banner, award's objectives, award's restrictions	The system shall allow users and visitors to view introductory banner, award's objectives, award's restrictions.
32	View participating conditions	The system shall allow users and visitors to view participating conditions.
33	View participants personal information	The system shall allow Judges to view participants personal information and the award's category they have participated in.

3.1.3 Non-functional Requirement

NO.	NON-FUNCTIONAL REQUIREMENT	DESCRIPTION
1	Responsiveness	The system should be responsive with mobile and all smart Devices in an efficient way.
2	Different Prototypes	(3) different prototypes that reflect the appearance design of the website will be provided.
3	Email Notifications	The system will be capable to send email notifications for all portals.
4	Programming Language	MVC core Programing Language.
5	Contact Information	The system shows users and visitors contact information with organization for any details social media.
6	Languages	The system shall allow users to switch languages from/to Arabic to/from English.
7	Performance	The system should have an exceptional fast response time.
8	Convenience usability	The system shall be easy and convince to users.
9	SQL server 2017	
10	Security IIS configuration.	
11	Data structure and table diagrams.	

12	Full source code and development documentations shall be included.
13	SMS integration.
14	Full implementations and testing.
15	Using recapatch in login pages and connecting with google account.
16	The website shall work and run on the following browsers: Google chrome, safari, Firefox, and more.
17	The website colors are (green and white)
18	Password restrictions: must contains at least 8 digits and at least one upper case letter.
19	Female or male all ages.

3.1.4 Tree Diagram

Diagram that describes the functionality of award's registration.
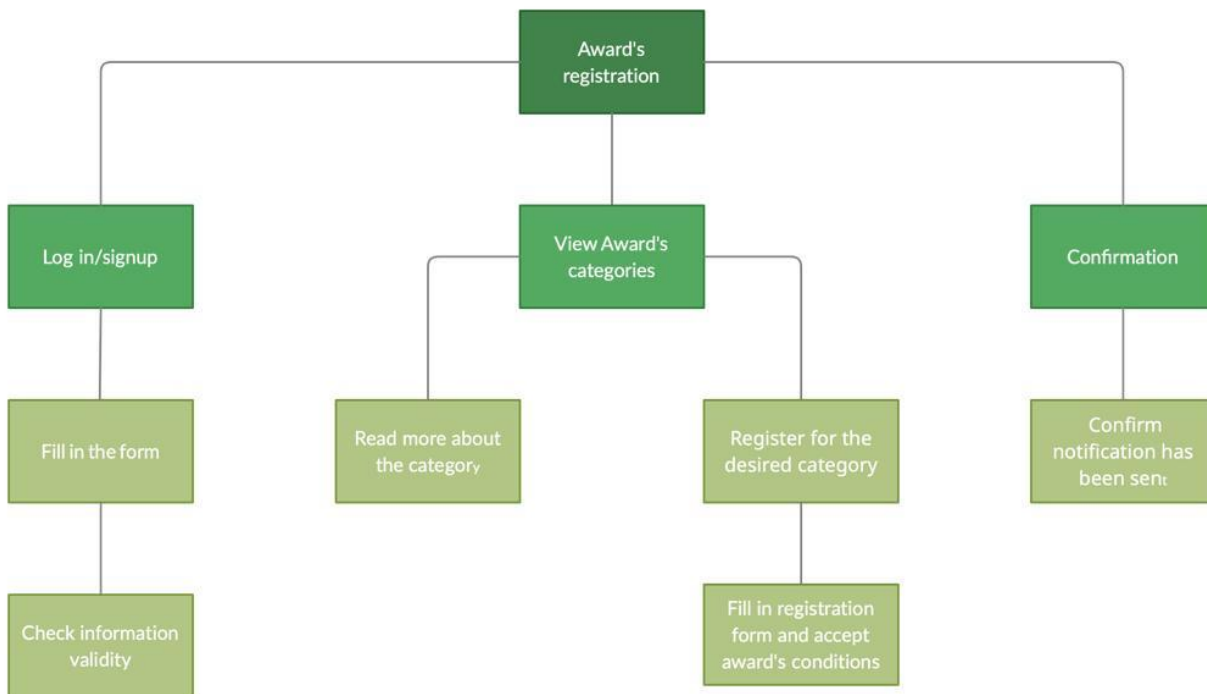
3.2 **SRS**

3.2.1 Overall Description

3.2.1.1   Product perspective

"King Abdul Aziz center national dialogue "is a new web-based system that facilitates services for anyone who is interested in National Dialogue award. It's capable to run on any web browser (Google Chrome, Firefox, Safari, etc.) and an internet connection must be provided in order to run the website.

The main interface for all users will be the website, each of user type (visitors, users, administrators and judges) has a different interface and functionalities.

Website Users have multiple functionalities such as:

1. Manage profile.
2. Award's registration.
3. Search.

Website administrators are responsible for the overall system. And more described in section 3.2.3, all information needed like (Users and administrators personal, nominations information, award's registration forms, etc.) will be stored in a database server (SQL server 2017).

3.2.1.2   Assumptions, Constraints and Dependencies

ASSUMPTIONS	DESCRIPTION OF ASSUMPTION	INCIDENCE RATE
Assumption of human resources availability	2 Analyzers requirements will be available on 19 February for 3 days. 1 designer for will be available on 5 march for 3 weeks. 2 web developers will be available on 18 march for 1 week.	66%
Web browser	system will be available on all web browsers.	100%
Experience in using the internet	Assume that users have Experience on how to use website and registration.	80%
Assumption of budget	Assume the Long-time work on the project is 4 hours in day and the cost of one hour is 800 SR so for 2 months work it will be $4 \times 61 = 244$ hour $244 \times 800 = 195,200$ SR	85%
Project timeline	22/4/2021	91%

DEPENDENCIES AND CONSTRAINS

Task name	Depend on
access website	Full depend on internet.
Sign up/log in	Matching the recorded information.
Award registration	Award availability.
Confirm notification	Registering for award.
Nomination status	Confirm notification.

Project start (SRS-design and implementation -testing and deliver)	Sponsor approval.
SQL server 2017	License.
User information store and managing	SQL server 2017.

3.2.2 External User Requirements

3.2.2.1   User Interfaces

1. User

   Once a user enter the website through either a link or by searching "King Abdul Aziz center national dialogue" first thing will appear is the Homepage. If the user wishes to register in and participate for an award competition, he/she must have an account and log in or sign up for a new account if not.

2. Visitors

   A first-time visitor should sees is the Homepage of the website after accessing the website through the link or by searching for the website "King Abdul Aziz center national dialogue "with the browser without the need to log in/sign up.

3. Judges

   The judge's information (email, password) is already in the database of the website, so to access the website as judge they must log in with their emails. Once a judge log in first thing will appear is Homepage, there will be four icons (Individuals – Civil Society Institution – Private Sector – Governmental Institution).

4. Administrators

   The administrator's information (email, password) must be in database of the website. The admin must log in with their emails to be able to manage system content, like all other users the first thing will appear is the Homepage of the website.

3.2.2.2   Hardware Interface

   The website works on any device (mobile phone, laptop, tablet, etc.) and any operating system as long as the browser is downloaded and connected to the Internet.

3.2.2.3   Software Interface

   The user's information is linked to SQL Server 2017 database server and the website can be run on any web browser (Google Chrome, Firefox, Safari, etc.).

3.2.3 Functional Requirements

NO.	FUNCTIONAL REQUIREMENT	DESCRIPTION
1	Registrations (Sign-Up)	- Ask visitor to enter there (first name, father's name, last name, phone number, email address, a safety question, password, password confirmation, activate account through email). - It can be signed in by google account. - Press sign in. - Post- condition: Then the account is created.
2	Log-In	- Pre- condition: There is an account already. - Ask (user, admin and judge) to enter their email and password. - Recpatch (ask "I am not a robot"). - They can log in by google account. - Press log in. - In case a user forget their password there is (Password Recovery) option.
3	Password Recovery	- Pre- condition: There is an account already. - Ask user the (safety question). - Another option asks to enter the email or mobile number to send a new password. - Then user can change the password to a new one.
4	Award's Registration	- Pre-condition: Authorization to be a user. - There is an (Award's categories) section on homepage. - Four icons for each award's category will be provided within the section, two buttons (read more, register). - If clicked (read more) button a page with detailed information about the category will appear. - If clicked (register) button of (individual category) the registration form will appear: -ID number -project's title -award's registering justification -Have you ever applied for a dialogue award? (YES/NO) -Have you ever had the chance and won the national dialogue award? (YES/NO) -How did you get to know about national dialogue? -A list of conditions for registering will be included and the user must accept it. -Attach all the documents as mentioned as a pdf copy. -Optional : Upload a video form or a link as a (YouTube, drop box, google drive, etc.). -Users must accept on the following terms (I swear that the following information...) - If clicked (register) button of (Civil Society Institution – Private Sector – Governmental Institution) the registration form will appear:

			-Project title
			-Organization/institution's name
			-Define the institution
			-institution's type
			-Award's registering justification
			-liaison and coordination officer's full name
			-Location Address
			-phone number
			-email address
			-Have you ever applied for a dialogue award? (YES/NO)
			-Have you ever had the chance to win the national dialogue award? (YES/NO)
			-How did you get to know about national dialogue?
			-A list of conditions for registering will be included and the user must accept it.
			-Attach all the award's documents as mentioned in a pdf copy.
			Optional: Upload a video form or a link as a (YouTube, drop box, google drive, etc.).
			Users must accept on the following terms (I swear that the following information...)
		-	Post-condition: The user being a participant.

5	Contact	-	Put contact information (social media, phone number, etc.) at homepage footer.
		-	Attach a link for every contact method.

6	Private Direct Messages	-	Pre-condition: Authorization to be a user.
		-	Add an icon on homepage at the corner for quick messages.
		-	The admins will replay.

7	Rate Website	-	Pre-condition: Authorization to be a user.
		-	Add a rate section on homepage at a page footer.
		-	Just the users can rate.
		-	User can rate with (1-5) stars and add comments.

8	Cancel Participation	-	Pre-condition: Authorization to be a user.
		-	Add a cancel section on user profile.
		-	Post- condition: Users can cancel their participation before registration ends.

9	Search	-	Put search bar on the homepage.
		-	Users/visitors can type any information on the search bar.
		-	Click on search button.
		-	If the information is available, the page will appear.
		-	If unavailable "Not found" message will appear.

10	Profile Editing	-	Pre-condition: Authorization to be a user.
		-	Put (Profile Editing) on user profile.
		-	A page with all information about the user.

		- After finish changes press (save).
		- Post-condition: The changes will appear in user's profile.
11	Edit Introductory Banner	- Pre-condition: Authorization to be an admin (enter admin interface).
		- Banner on homepage.
		- Contains slides and videos about the award.
		- Edit icon (appear for an admin).
		- Controlled by the admin.
		- Click save button.
12	Edit Award's Definition	- Pre-condition: Authorization to be an admin (enter admin interface).
		- (Award's Definition) section on homepage.
		- A page with award definition and requirements.
		- Edit icon (appear for an admin).
		- Controlled by the admin.
		- Click save button.
13	Edit Award's Objectives	- Pre-condition: Authorization to be an admin (enter admin interface).
		- (Award's Objectives) section on homepage.
		- A page with award aim and achievement.
		- Edit icon (appear for an admin).
		- Controlled by the admin.
		- Click save button.
14	Nomination's Conditions	- Pre-condition: Authorization to be an admin (enter admin interface) to edit.
		- Pre-condition: Authorization to be a user.
		- (Nominations Conditions) section in homepage.
		- Admin can edit the nominations state by click on the right side of his/her name.
		- Click save button.
15	Award's Restrictions	- Pre-condition: Authorization to be an admin (enter admin interface).
		- (Award's Restrictions) section on homepage.
		- A page with award restrictions.
		- Appear in three (3) icons.
		- Only the admin can edit on them.
		- Click save button.
		- Post- condition: After he edit on the restrictions the new restriction he edited will appear on the (award) page for users/visitors.
16	Edit on Award's Conditions	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (Award's Conditions) section on homepage.
		- Edit on the award conditions.
		- Click save button.
17	Award's Phases (Stages)	- Pre-condition: Authorization to be an admin (enter admin interface) to edit.
		- Pre-condition: Authorization to be a user.
		- There will be (Phases) section on homepage.

		- A page with phases information.
		- The admin can edit date for each phase, delete and add a new phase.
		- Click save button.
		- Post- condition: admin can edit date for each phase, delete and add a new phase before registration ends.
18	Edit on Previous Sessions (Awards, Competitions)	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (previous sessions) section on homepage.
		- There will be (Upload) button.
		- After click upload admin will upload previous sessions winners on the homepage.
		- Click save button.
19	Control Over the System	- Pre-condition: Authorization to be an admin (enter admin interface).
		- The admin can change any content on the website.
		- The changing the admin did will display on the website.
20	Nominations	- Pre-condition: Authorization to be an admin (enter admin interface) to download nominators' information.
		- Pre-condition: Authorization to be a user.
		- There will be (Nominators) section on homepage.
		- Then nominators' information will display.
		- There will be (download) button.
		- The admin can download nominators' information.
21	Filter Nominator and Information	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (Nominators) section on homepage.
		- Then the admin can filter nominator and their information by click on the nominator name.
		- Click save button.
		- Post- condition: After admin filter nominator and their information, the nominator will get an SMS/email about it.
22	Edit Laureates Section	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (Laureates) section on homepage.
		- Admin can edit Laureates of each award's category.
		- Click save button.
23	Evaluate Participants	- Pre-condition: Authorization to be a judge and enter the judge's interface.
		- There will be four icons (Individuals – Civil Society Institution – Private Sector – Governmental Institution) on homepage (judge interface).
		- Each judge is authorized to evaluate -eliminate- only one award's category.
		- After a click on that category icon a list of participants will appear.
		- there will be three sections one for evaluating ,eliminating , and read more for more further personal information.
		- Post- condition: After clicking a participant his/her profile will appear, there will be two sections one for evaluating and eliminating.

24	Confirm Notifications	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (Participation forms) section on homepage (admin interface).
		- After the user register on award, the administrator can accept his register or not through (Participation forms).
		- Post- condition: After that user will get SMS about his/her register on the award and they will get an email about it.
25	Eliminate Participants	- Pre-condition: Authorization to be a judge and enter the judge's interface.
		- There will be four icons (Individuals – Civil Society Institution – Private Sector – Governmental Institution) section on homepage (judge interface).
		- Each judge is authorized to evaluate -eliminate- only one award's category.
		- After a click on that category icon a list of participants will appear.
		- there will be three sections one for evaluating ,eliminating , and read more for more further personal information.
		- Post- condition: After clicking a participant his/her profile will appear, there will be two sections one for evaluating and eliminating.
26	Latest news	- Pre-condition: Authorization to be an admin (enter admin interface).
		- There will be (news) section on homepage.
		- then (Upload) button.
		- Then admin can upload the latest news.
		- Click save button.
27	Push email promotions.	- Pre-condition: Authorization edit system's content.
		- (Email promotions) section on admin's homepage.
		- A list of website users appear.
		- Select a user to send an email promotion to.
		- Click send button.
		- Post condition: Email promotion is sent to user.
28	Statistics for website	- Statistics should be visible on the page footer on users and visitors homepage.
29	Daily request	- Pre-condition: Authorization edit system's content.
		- (Daily request) section on admin's page.
		- Post condition: A list with all nominator's requests will appear.
30	View award's categories, conditions, previous sessions	- Pre-condition: Availability of the award
		- Post condition: The system shall view homepage contents (award's categories, conditions, previous sessions and participating conditions) to users and visitors.
31	View introductory banner, award's objectives, award's restrictions	
32	View participating conditions	

33	View participants personal information	- Pre-condition: Authorization to be a judge and enter the judge's interface. - There will be four icons (Individuals – Civil Society Institution – Private Sector – Governmental Institution) on homepage (judge interface). - After a click on that category icon a list of participants will appear. - Post- condition: After clicking a participant his/her profile will appear, - there will be three sections one for evaluating ,eliminating , and read more for more further personal information.

3.2.4 Non-Functional Requirements

3.2.4.1 Performance Requirements

Response time: The system should have an exceptional fast response time.

3.2.4.2 Security Requirements

1. IIS (Internet Information Services) configuration.
2. Using recapatch in log in pages and connecting with google account.
3. Password restrictions:
   a. Must contains at least 8 digits.
   b. Must contains at least one upper case letter.

3.2.4.3 Availability and Reliability Requirements

1. Different prototypes
2. MVC core programming language.
3. SQL server 2017.
4. Data structure and table diagram.
5. Full source code and development documentations shall be included.
6. Full implications and testing.
7. Show all visitors statistics for website.

3.2.4.4 Responsibility Requirements

1. SMS integration.
2. Shall allow users to switch languages from/to Arabic to/from English.
3. Shall allow users to switch mode from/to light to/from dark.

3.2.5 Use Case Diagram

National Dialogue

Register — <<include>> → Fill in the signup form

Log-in — <<include>> → Verify password

Log-in — <<extend>> — Password recovery

Award's registration — <<include>> → Fill in registeration form

Profile editing

log out

Rate the website

direct messages

Contact organisation

Change language

search

View nomination's conditions

View award's conditions

View introductory banner

view award's defintion/ objectives

Users

Visitors

4. Models

There are few models included in this document depending on the system's functionalities and needs such as server client model, sequence model, class, and state model.

4.1   Server-clint model

The appropriate architectural model chosen for the system is the Server-Client model, the particular reason for the circumstance is that database, web server, and internet are essential items to be included and considered in the system because all user interactions must be done through the network and to maintain and save all the systems data and users requests.
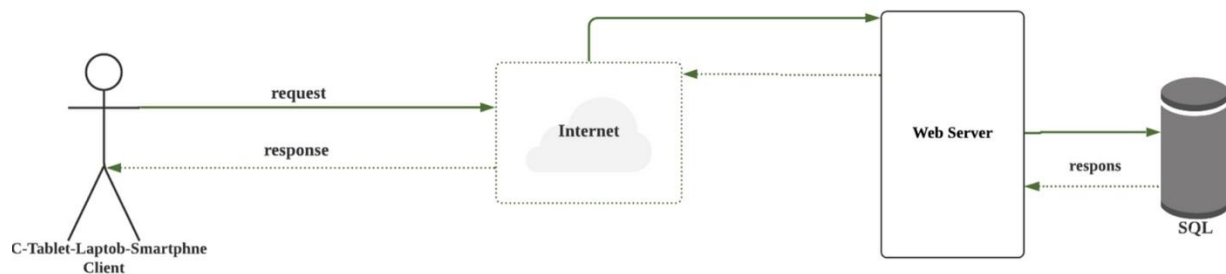
4.2   Class diagram
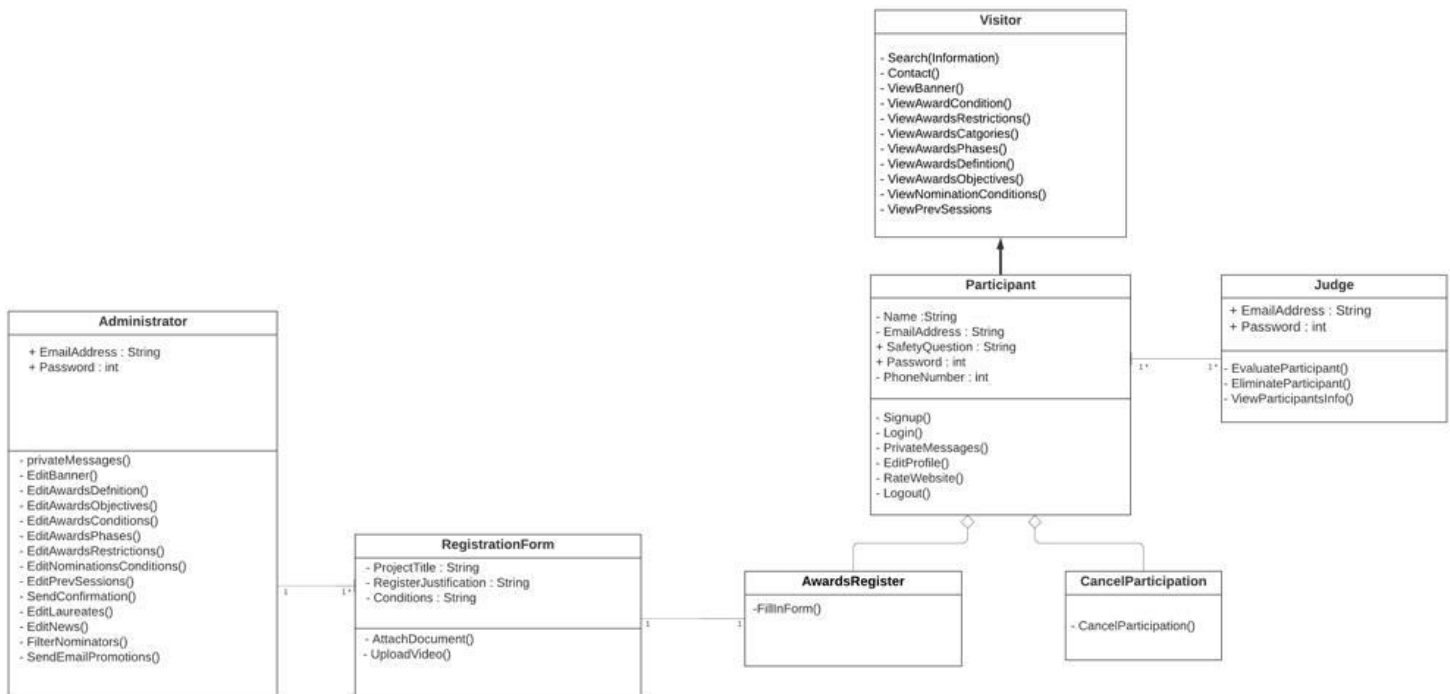
4.3   State diagram for judge

The state model describes the functionality of the judge interface.
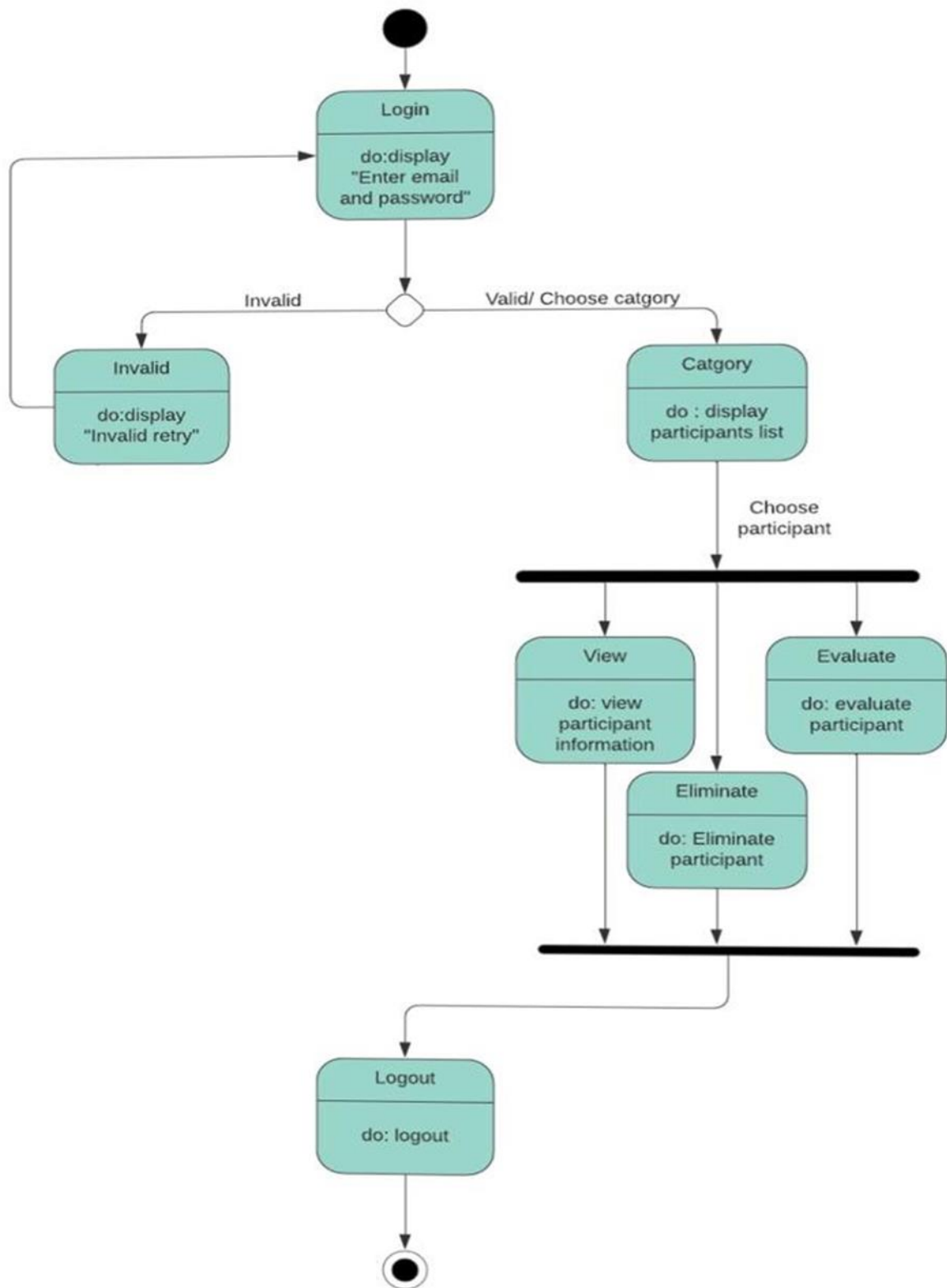
4.4   Sequence diagram

The sequence model describes and shows the functionalities of the user's registration for the award.
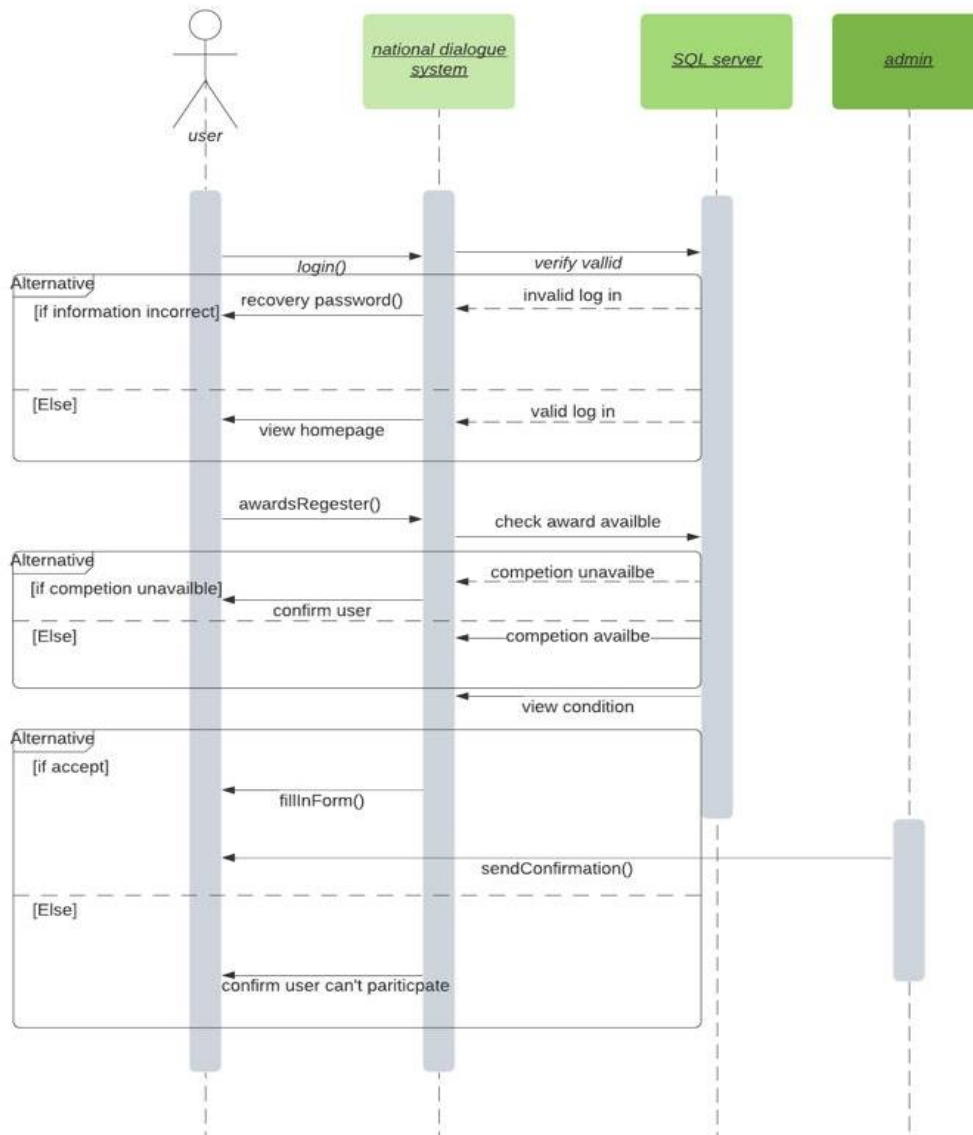
5 Prototype

Different prototypes of the system are designed to facilitate for web designers and team members to understand the whole appearance and functionalities of system.

5.1   Visitor Prototype
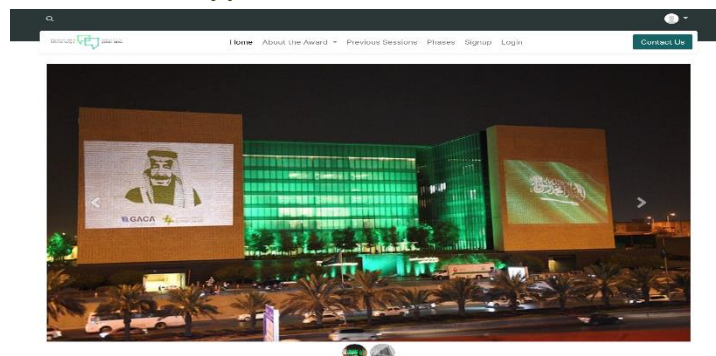
Award's Definition

It aims to spread the culture of dialogue, to make it a way of life and to make it a standard of general behavior in society at the level of the individual and society.
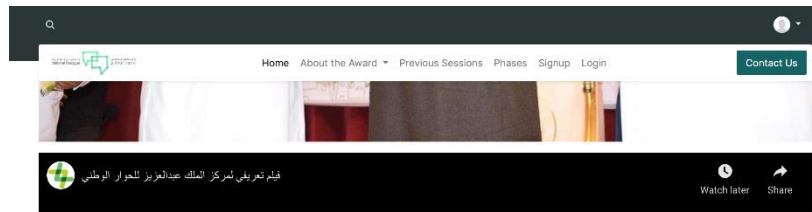
Award's Objectives

Supporting a culture of dialogue and respecting difference and diversity. The award reinforces the culture of dialogue and disseminates it among members of society.

Laureates

Individual	Governmental Institution	Civil Society Institution
Norah Al-Marual	Ministry of History Education	Saudi Journalist Association

Private Sector

STC

Latest News

The King Abdulaziz Center for National Dialogue reviews the importance of digital culture in consolidating a culture of dialogue and promoting the values of coexistence

The national dialogue center discusses the strengthening cooperation with the delegation of the Middle East policy Council

The prince of Najran witnesses the signing of a memorandum of agreement between National Dialogue Center and Youth Council

Fig.1: Homepage for visitor
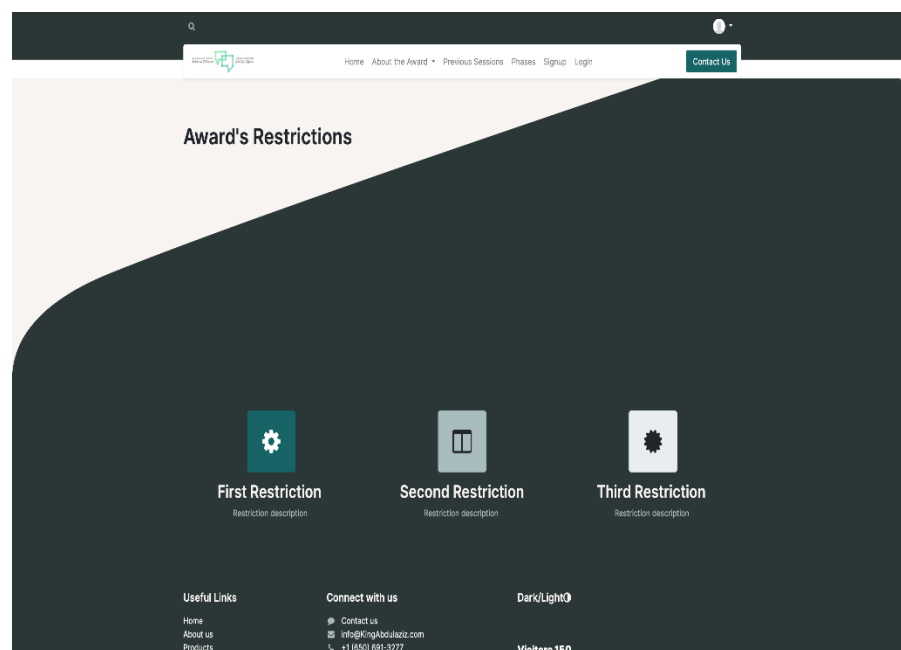
Fig.2: Award's restrictions page for visitor
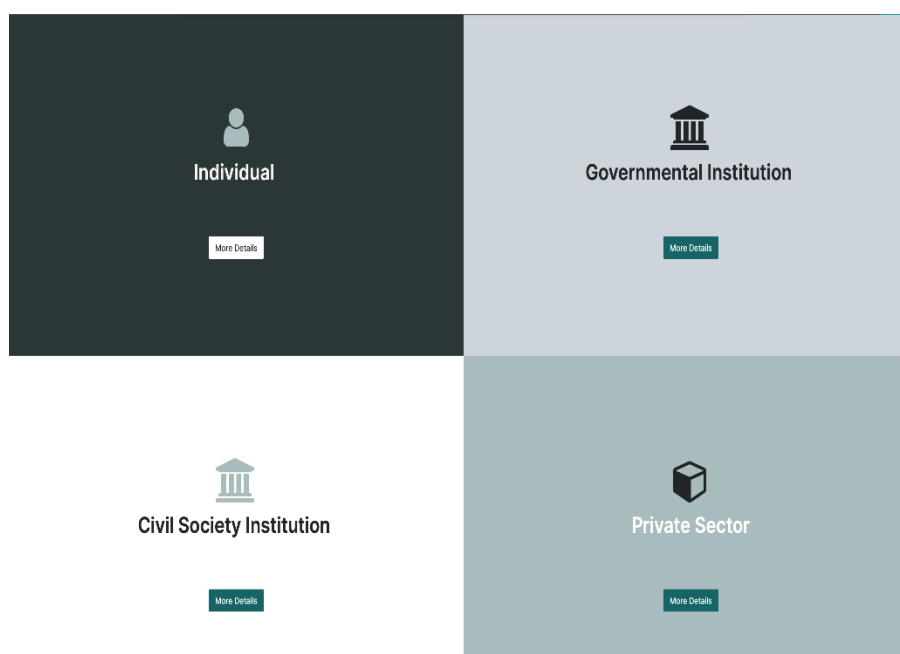
Fig.3: Award's category page for visitor
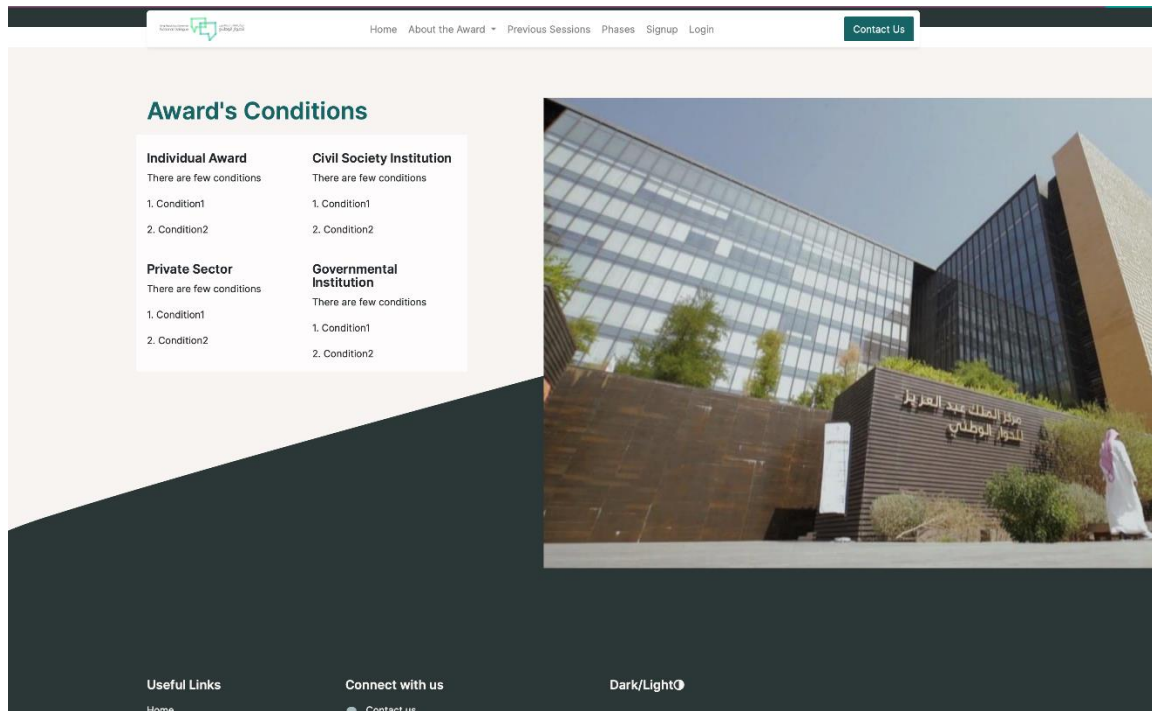
Fig.4: Award's conditions page for visitor
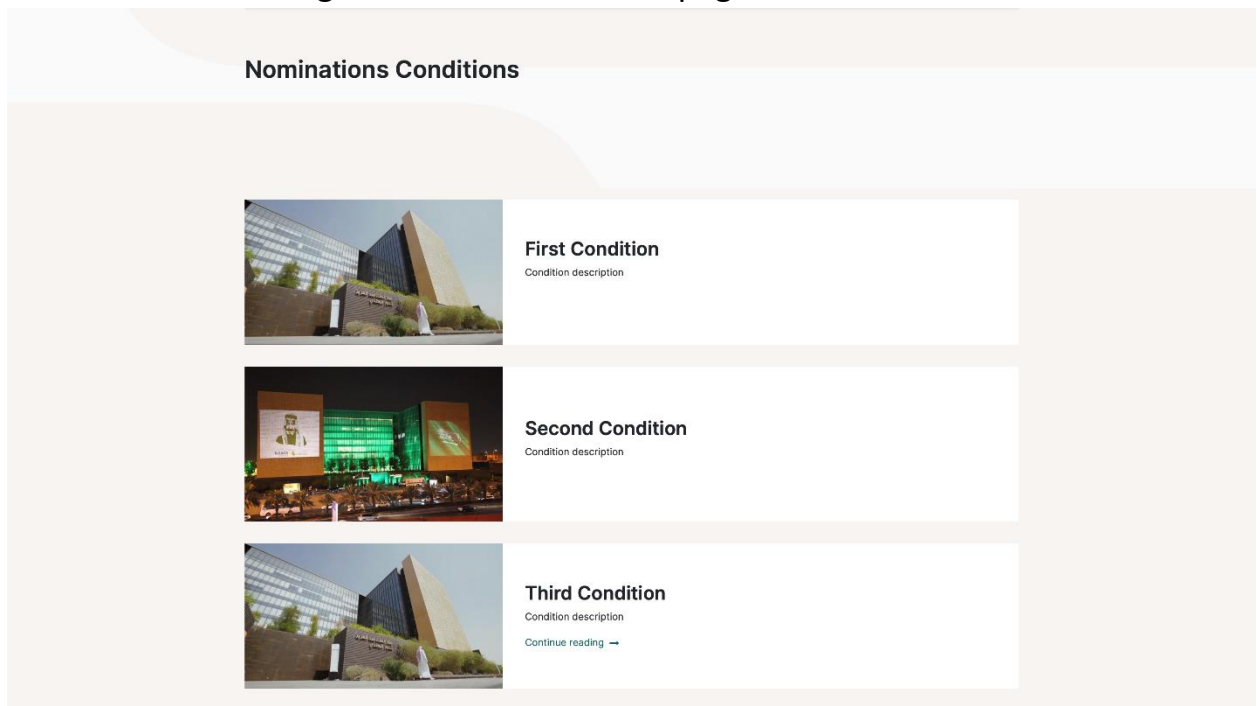
Fig.5: Nominations conditions page for visitor
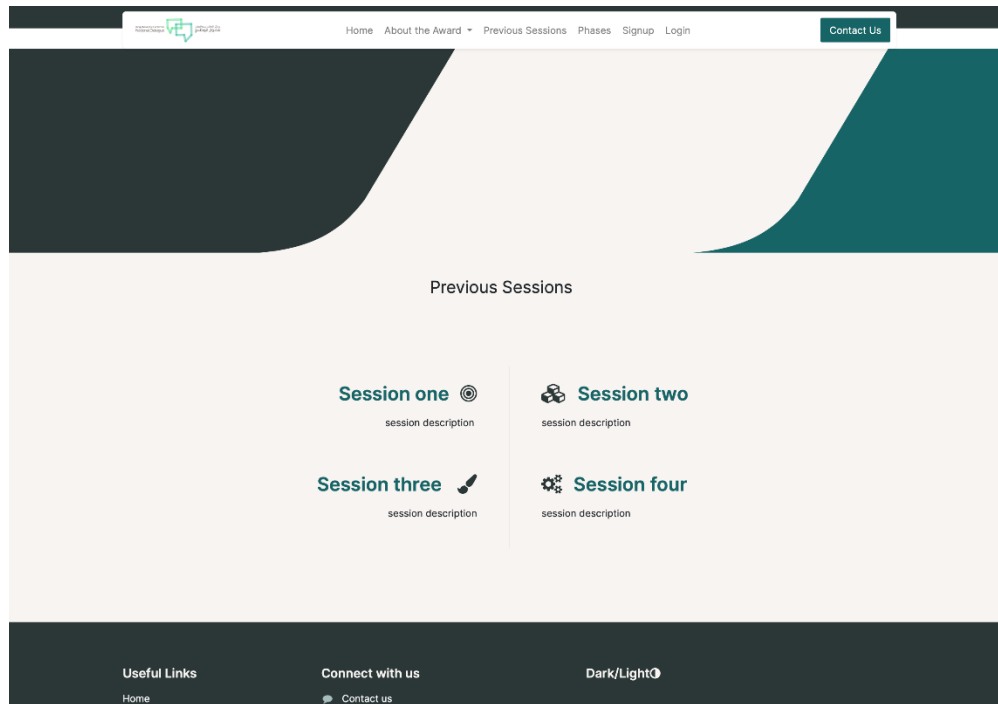
Fig.6: Previous sessions page for visitor
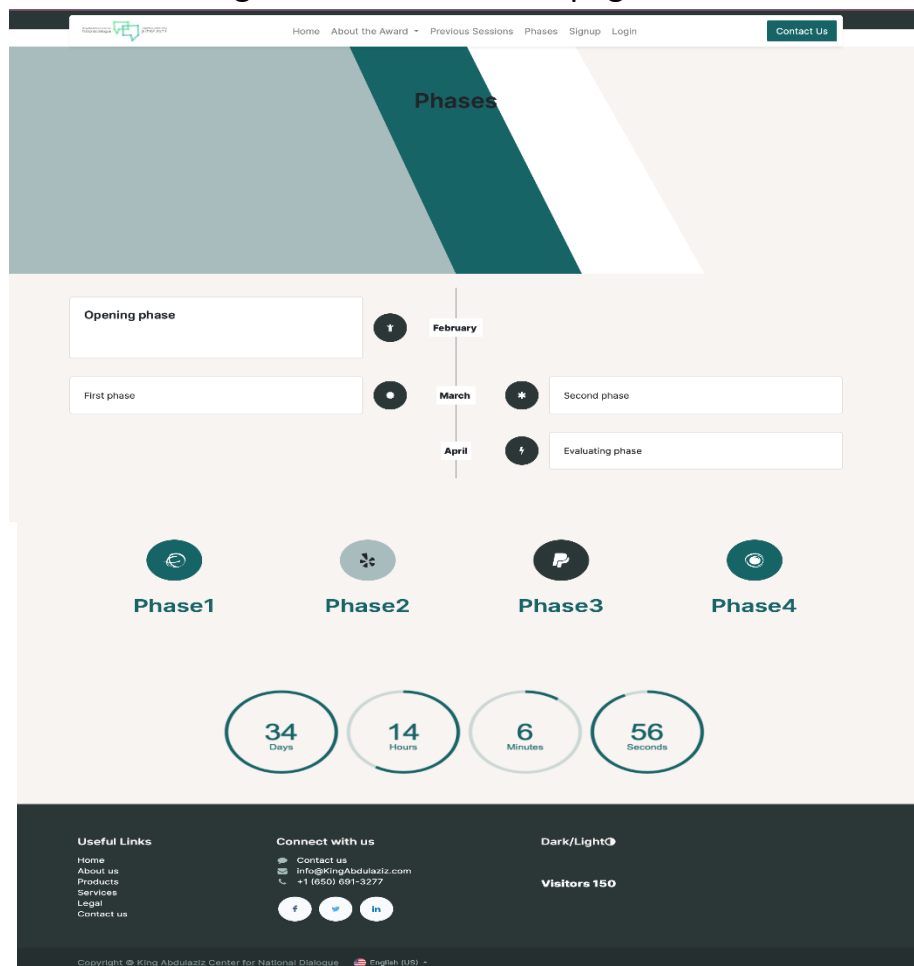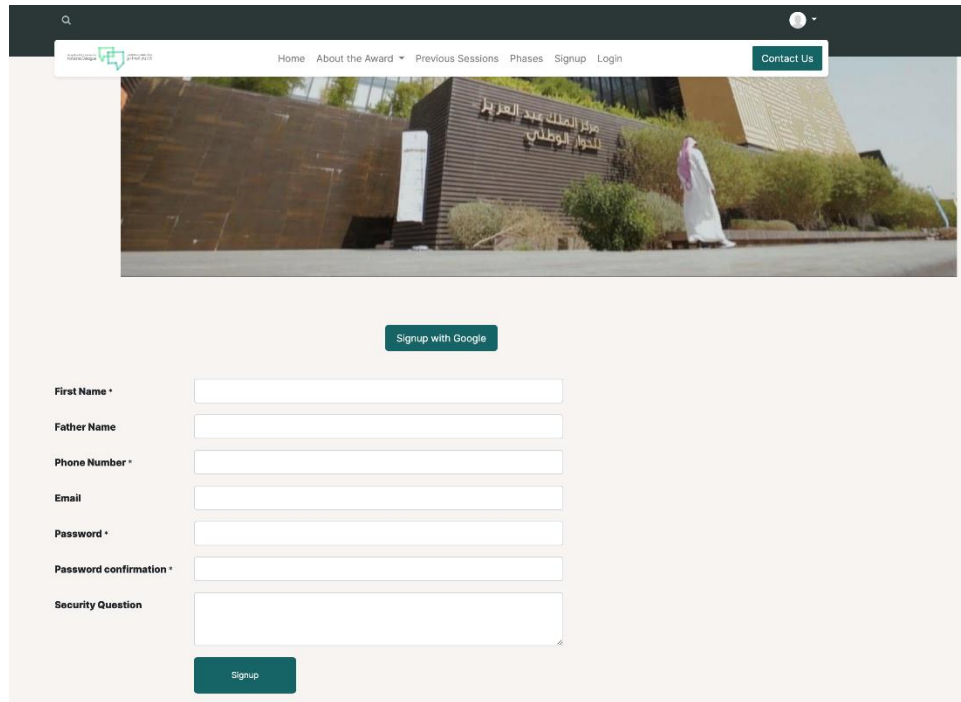
Fig.7: Phases page for visitor
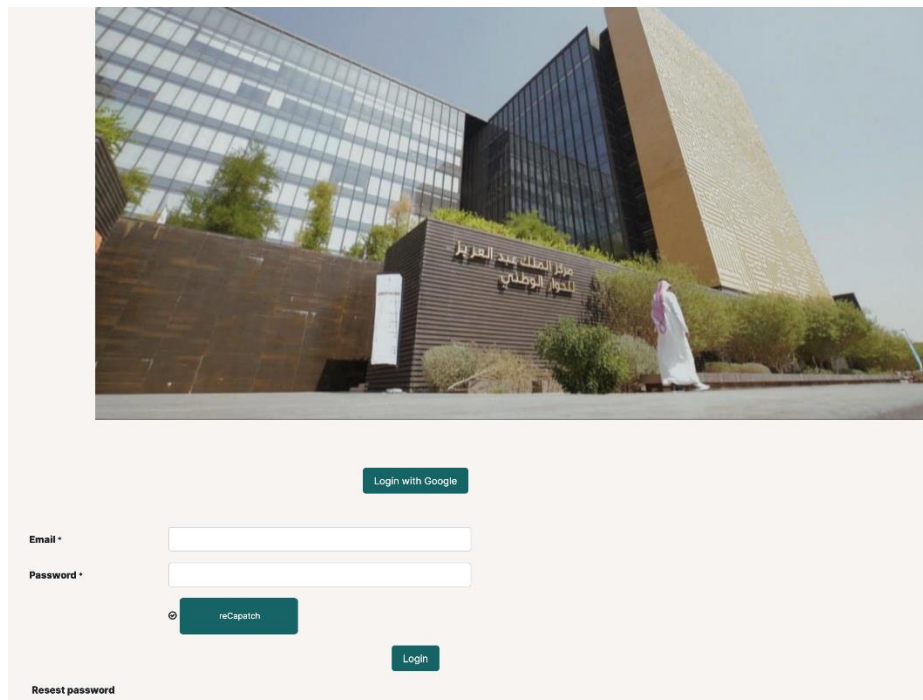
Fig.8: Sign up form

Fig.9: Log in form

Visitor link: https://king-abdulaziz-center-for-national-dialogue1.odoo.com/siign#

5.2   User Prototype
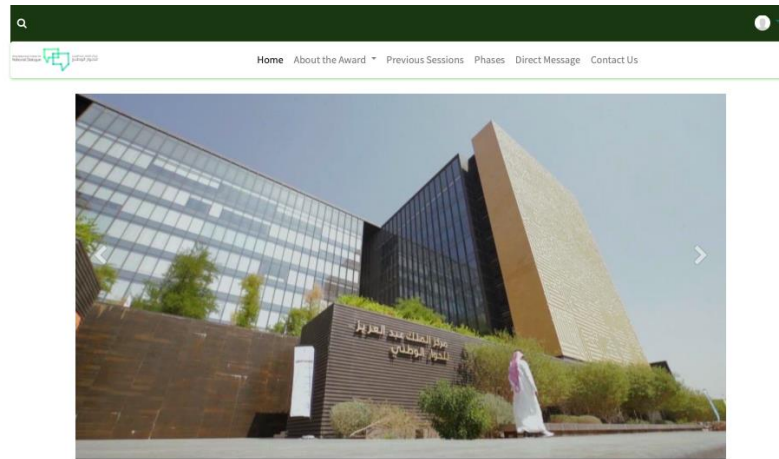
Fig.10: User's homepage including direct message
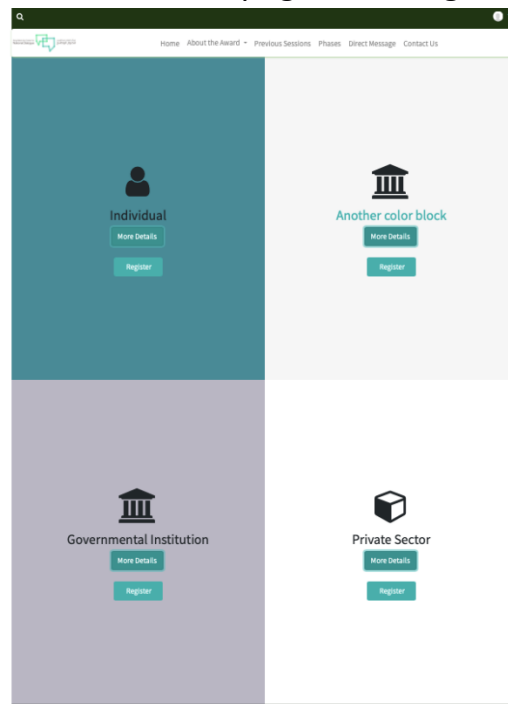
Fig.11: Award's category page for user
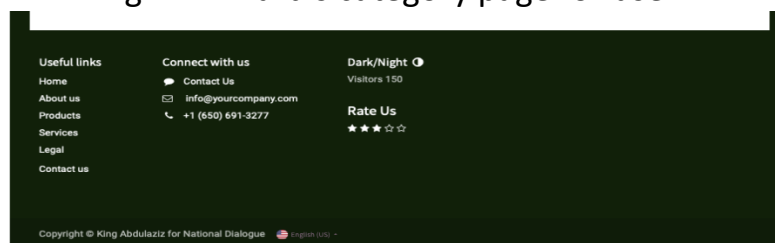
Fig.12: Rating and change mode/language in the footer

Fig.13: Profile page

Fig.13: Profile editing

Fig.14: Edit security settings

Fig.15: Induvial registration form

Fig.16: (Private Sector-Governmental/Civil society institution) registration form

User link: https://nationaldialog.odoo.com

5.3   Judge Prototype

Fig.17: judge homepage

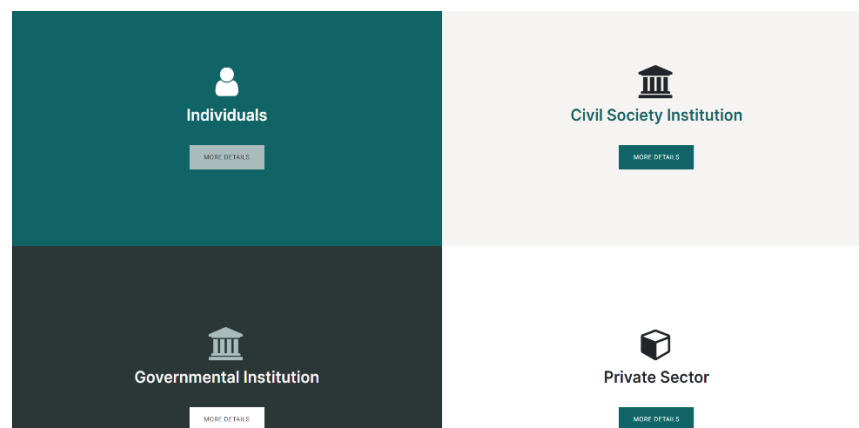Fig.18: Page for participants when judge choose one of the category

Fig.19: Profile for participant
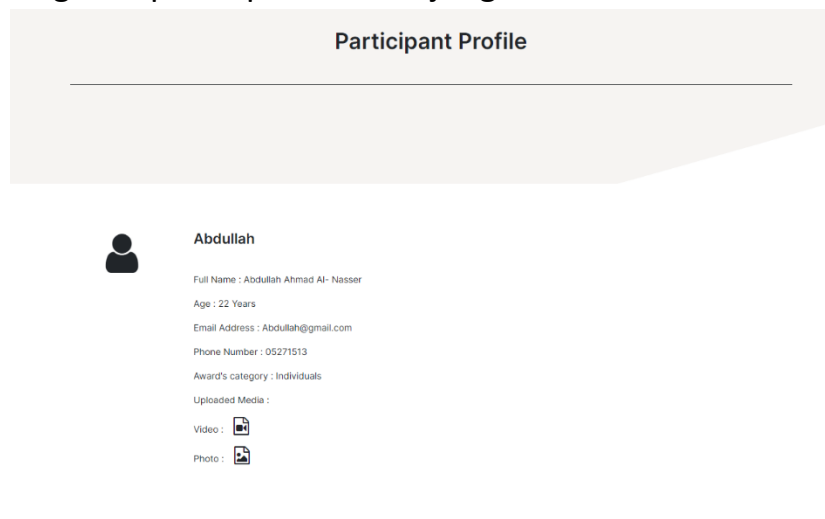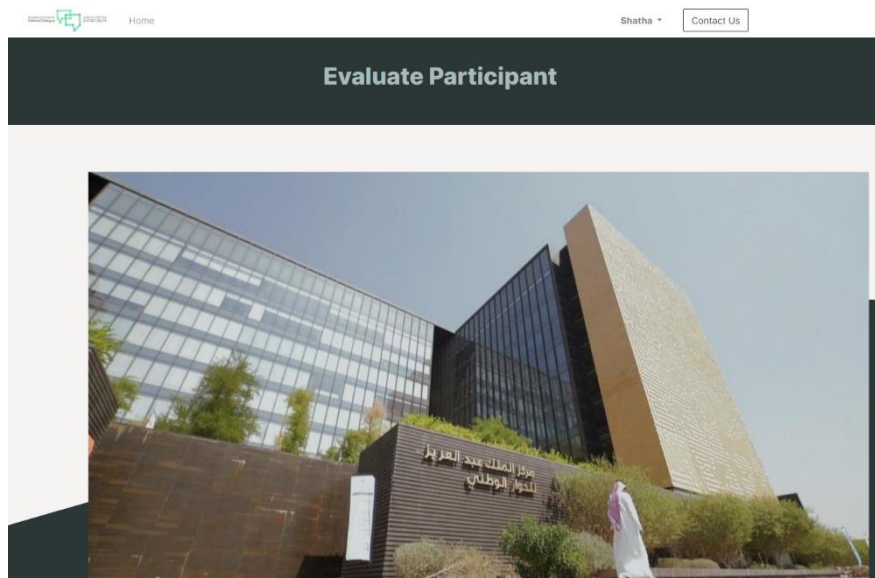
Fig.20: Evaluate participant page

Fig.21: After eliminate done

Judge link: https://king-abdul-aziz-national-dialogue1.odoo.com/

5.4   Admin Prototype

Edit Video

Upload a video	Choose File No file chosen
In page	
Cut From	To
alignment	☐ left ☐ right ☐ up ☐ down
Caption	

save

Edit Font

Type text	
Font type	
Custom Text	
Color	Font size
alignment	☐ left ☐ right ☐ up ☐ down
	☐ Bold ☐ Italic ☐ Underline

save

Follow us
 Facebook
 Twitter
 Instagram

Get in touch
 info@yourcompany.com
 +1 (650) 691-3277

Light/ Dark
◑

Rate us
★★★☆☆

150
Visitors

Fig.22: Control panel

Admin link: https://alimam.odoo.com/home

6 Implementation

Password verification implementation in JavaScript

```javascript
<script>
var myInput = document.getElementById("psw");
var capital = document.getElementById("capital");
var number = document.getElementById("number");
var length = document.getElementById("length");

// When the user clicks on the password field, show the message box
myInput.onfocus = function() {
  document.getElementById("message").style.display = "block";
}

// When the user clicks outside of the password field, hide the message box
myInput.onblur = function() {
  document.getElementById("message").style.display = "none";
}

// When the user starts to type something inside the password field
myInput.onkeyup = function() {
  // Validate lowercase letters


  // Validate capital letters
  var upperCaseLetters = /[A-Z]/g;
  if(myInput.value.match(upperCaseLetters)) {
    capital.classList.remove("invalid");
    capital.classList.add("valid");
  } else {
    capital.classList.remove("valid");
    capital.classList.add("invalid");
  }

  // Validate numbers
  var numbers = /[0-9]/g;
  if(myInput.value.match(numbers)) {
    number.classList.remove("invalid");
    number.classList.add("valid");
  } else {
    number.classList.remove("valid");
    number.classList.add("invalid");
  }

  // Validate length
  if(myInput.value.length >= 8) {
    length.classList.remove("invalid");
    length.classList.add("valid");
  } else {
    length.classList.remove("valid");
    length.classList.add("invalid");
  }
}
</script>
```

7 Test cases

Note: Valid password

NO.	CONDITIONS
1	Must contains at least 8 digits.
2	Must contains at least one upper case letter.

TEST CASE NO.	TEST SCENARIO	TEST CASE	PRE-CONDITION	TEST STEPS	RESULT	POST CONDITION	STATUS
T1	Verify log in email and password	Enter valid email and valid password	Need a valid account information to log in	1.Enter email 2.Enter password 3.Press "log in" button	Successful log in	Profile is shown	Pass

T2	Verify log in email and password	Enter valid email and invalid password	Need a valid account information to log in	1.Enter email 2.Enter password 3.Press "log in" button	Error note "The email and password you have entered are incorrect" will appear		Fail
T3	Verify log in email and password	Enter invalid email and valid password	Need a valid account information to log in	1.Enter email 2.Enter password 3.Press "log in" button	Error note "The email and password you have entered are incorrect" will appear		Fail
T4	Verify log in email and password	Enter invalid email and invalid password	Need a valid account information to log in	1.Enter email 2.Enter password 3.Press "log in" button	Error note "The email and password you have entered are incorrect" will appear		Fail
T5	Verify sign up password	Enter valid password	Need a valid password to sign up	1.Enter password	Check the password confirmation	Reenter the password	Pass
T6	Verify sign up password (contain less than 8 digit)	Enter invalid password	Need a valid password to sign up	1.Enter password	Error note "invalid." will appear		Fail
T7	Verify sign up password (contain only letters)	Enter invalid password	Need a valid password to sign up	1.Enter password	Error note "invalid." will appear		Fail
T8	Verify sign up password (doesn't contains at least one upper case letter)	Enter invalid password	Need a valid password to sign up	1.Enter password	Error note "invalid." will appear		Fail
T9	Verify sign up password (contain only digits)	Enter invalid password	Need a valid password to sign up	1.Enter password	Error note "invalid." will appear		Fail
T10	Check the password confirmation	Reenter the password	Need a valid copy of the pervious password to sign up	1. Reenter the password	Password is valid	Get confirm notification through email	Pass
T11	Check the password confirmation	Reenter the password	Need a valid copy of the pervious password to sign up	1. Reenter the password	Error note "the password is not a match"		Fail