Biletixx

Requirements Specification and Analysis

Final Version

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REQUIREMENTS ANALYSIS DOCUMENT[1]

1. Introduction

The following section provides an introductory overview of the RAD (Requirement Analysis Document) for the "Biletixx " ticket reservation system. The purpose of this document is to summarize Biletixx system in an easy, understandable way for the clients. This document includes Functional and non functional requirements, system models, glossary and references. Purpose, scope, objectives, success criteria and definitions are shown below in this section of the document.

1.1. Purpose of the System

The main purpose of the system is to provide our clients with a functioning, quality and easy to use ticket purchasing system. Our system helps users easily book a ticket without going to a to a ticket office. Doesn't matter if you're making a last minute purchase or you just don't want to leave your house, our users can easily search for an event that they want to go to and book their ticket in few simple clicks online from the comfort of their own home.

1.2. Scope of the System

Biletixx is a ticket reservation system where users can purchase event tickets online. In our system there are four roles such as, visitors, users, event holders and admin roles. Visitors could create their regular user or event holder account and become a Biletixx user. Visitors and users can search and display available events, but since being an user is required to purchase tickets, only users can buy tickets, see their purchased tickets and also manage their profile. Event holders can manage the events and admins can manage event holders and users accounts all together.

1.3. Objectives and Success Criteria of the Project

Our objective is to present our users with a high quality, easy to use ticket purchasing website. And our succes criteria depens on the meeting the following set of objectives:

- Project meets the functional requirements.
- Project meets the non-functional requirements.
- Project documentations are delivered on time.
- Project provides the items described on the scope.
- Positive feedbacks.

1.4. Definitions, Acronyms, and Abbreviations

User: Customer who signs up on the website.

Visitor: User who can browse the website without signing up.

Event Holder: Person or an organization who holds the event.

Admin: The controller of the system.

RAD: Requirement Analysis Document

1.5. Overview

The document is about system information, functional requirements, nonfunctional requirements, system models that includes scenarios, use case diagrams, class diagrams and sequence diagrams. All of them are explained in this document. High-level functionalities of the system is described in functional requirements, user-level functionalities of the system is described in nonfunctional requirements.

2. Current System

Biletixx is a website that you can buy tickets online. The website has users, visitors, admins and event holders. Visitors can view the website as they wish without logging in. They can access all events and performances and learn all information about them. Users can save their information such as address, payment information, personal informations etc. In order to purchase tickets which is the most important part, it is necessary to become a user. Event holders main task are adding new events and deleting events. Event holders can also display personal information. Admin is the most authorized person on the website. His powers are different everyone else. They control everythink including eventholders for example they can view event holder information, user information delete user accounts and delete event holder accounts.

3. Proposed System

Documents the requirements elicitation and the analysis model of the new system

3.1. Overview

In this section, we explain the functional requirements and the description of the actors who will use the functions. There are four actors in our system. These are Visitor, User, EventHolder and Admin.

Visitor; S/he can visit our website and browse the appropriate events. These functions do not require membership. And finally, you can register on our site.

Users; They can access everything visitors have access to and also users can log out, change their password, and buy tickets. S/he can see how much the tickets will cost. It can register its own address in the system. You can view and make changes to this address. S/he can view purchased tickets. S/he can update her/his personal information.

Eventholder; S/he can log out of his accounts just like users. S/he can change his password. S/he can view her/his personal information. Unlike users, they can add and delete events in the system.

Finally Admin. Admin can see eventholders and users information. S/he can delete user account and also can delete eventholder account. The logged in user must be an administrator.

3.2. Functional Requirements

- 1) **Visitor** should be able to <u>create account.</u>
- 2) Visitor should be able to create event holder account.
- 3) Visitor/ User should be able to search events that are available.
- 4) Visitor/ User should be able to display event from the available events list.
- 5) **Visitor** should be able to <u>forget password</u>.
- 6)User/ EventHolder must be able to log in.
- 7) User/ EventHolder should be able to <u>log out</u>.
- 8) User/ EventHolder should be able to change password.
- 9)User should be able to buy ticket
- 10) User should be able to pay ticket cost.
- 11) User should be able to <u>create address.</u>
- 12) User should be able to display addresses they created.
- 13) User should be able to update address they created.
- 14)**User** should be able to <u>delete address</u> they created.
- 15) User should be able to <u>display tickets</u> they have bought.
- 16) User should be able to update personal information.
- 17) User/ EventHolder should be able to display personal information.
- 18) EventHolder should be able to add new events.
- 19) EventHolder/Admin should be able to delete events.
- 20) Admin should be able to viewEventHolderInformation.
- 21) **Admin** should be able to viewUserInformation.
- 22) Admin should be able to delete user accounts.
- 23) Admin should be able to delete event holder accounts.

3.3. Nonfunctional Requirements

Usability

1) User should be able to log out from their account at most in 2 clicks.

Reliability

- 1) The system should continue functioning even if the user enters wrong password. (Robustness)
- 2) The system must be running 98% of the time.

Performance

- 1)User should be able to login 3 seconds after clicking login. (Respond time)
- 2)User should be provided feedback after buying ticket in less than 3 seconds. (Respond time)
- 3) The system should not be down more than 10 mins per week. (Availability)

Supportability

1) EventHolder should be able to add new events without modifications to the existing system.

Implementation

1) All related software will be written using Python, HTML, CSS, JavaScript.

Interface

Packaging

1) System must be available on desktop and perform properly on a browser.

Legal

1) The system is free to use.

3.4. System Models

Scenarios

Scenario name

newBiletixAccount

Participating Actor Instances Jack: Visitor,

Flow of events

- 1. Jack sees a post about a music event while checking his social media. He decides to buy a ticket for this event. He opens his laptop and enters biletix website from his web browser. He sees the main page of the website.
- 2. He clicks the <u>"CreateAccount"</u> button on the main page of the website. He clicks create account as an event holder button He sees a blank form.
 He fills his name, surname, gender, birthday, phone number to the form.
 He finishes filling the form and clicks okay button at the end of the form.
- 3. Jack receives feedback about account creation conformation.

Scenario name

newBiletixEventHolderAccount

Participating Actor Instances James: EventHolder,

Flow of events

- 1. Jack is an event organitazot and he wants to create a biletix account to organize a new event and sell tickets. He enters the biletix website.
- 2. He clicks the <u>"CreateAccount"</u> button on the main page of the website. He clicks create account as an event holder button. He sees a blank form. He fills his name, surname, gender, birthday, phone number to the form.

 He finishes filling the form and clicks okay button at the end of the form.
- 3. James receives feedback about account creation conformation.

Scenario name

lookingForNewEvent

Participating Actor Instances Sarah: User, Alice: Visitor

Flow of events

- 1. Sarah wants to attend an event for the weekend. She opens her laptop and enters biletix website from his web browser. She gets directed to the main page of the website by the system.
- 2. She chooses the event category, date, location from the menu on the main page. She clicks the <u>"Search Event"</u> button. She sees a list of events according to the information entered by her.
- 3. She sees a Music event that she likes and clicks display event button to buy a ticker for it.

Scenario name

viewAnEvent

Participating Actor Instances <u>Jack:Visitor,Sarah:User</u>

Flow of events

- 1. Sarah wants to attend an event for the weekend. She opens her laptop and enters biletix website from his web browser. She gets directed to the main page of the website by the system.
- 2. She chooses the event category, date, location from the menu on the main page. She clicks the "Search Event" button. She sees a list of events according to the information entered by her.
- 3. She sees a Music event that she likes and clicks <u>"Display Event"</u> button to buy a ticket for it. She sees the information of the event she choose.

Scenario name	<u>loginToAccount</u>
Participating Acto	or Instances Sarah:Visitor
Flow of events	1. Sarah wants to go to a theater event. She opens her laptop and
	enters biletix website from her web browser. She gets directed to the main
	page of the website by the system.
	2. She clicks "Log In" button to login to her account and buy a ticket for the
	event.
Scenario name	<u>logoutFromAccount</u>
Participating Acto	or Instances <u>Sarah:User</u>
Flow of events	1. Sarah wants to go to a theater event. She opens her laptop and
	enters biletix website from her web browser. She gets directed to the main
	page of the website by the system.
	page of the website by the system.
	She clicks "Log In" button to login to her account and buy a ticket for the

website and clicks $\underline{\text{``Log Out''}}$ but and logouts from the website.

Scenario name	forgetUserPassword	
Participating Acto	or Instances <u>Jack:Visitor,James:EventHolder</u>	
Flow of events	1. Jack/James wants to check his biletix account. Jack/James tries to login	
	to the website but he realizes forget his password.	
	2. He opens the login page. He clicks the <u>"Forget Password"</u> button on the logir	
	page of the website. He sees reset password form. He fills his e-mail. He	
	finishes filling the form and clicks send button at the end of the form.	
	3. Feedback is given by the website that the reset password link has been sent	
	to Jack/Jame's e-mail.	
	4. Jack/James logins his e-mail and opens the corresponding e-mail. He clicks	
	The "Reset Password" button. He creates new password.	
Scenario name	changeUserPassword	
	Chungeoserrussworu	
Participating Acto	or Instances <u>Jack:User,James:EventHolder</u>	
Flow of events	1. Jack/James thinks his password was insecure and he wants to change his	
	password.	
	2. He opens the "My Account" menu and clicks my profile.	
	, , , , , , , , , , , , , , , , , , , ,	
	3. He fills the change password form and clicks change password button.	

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Scenario name	buyingEventTicket
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Participating Actor Instances <u>Jack:User</u>

Flow of events

- 1. Jack thinks he hadn't been to the theater for a long time and decides to buy a theater ticket.
- 2. He opens the main page of the website and he clicks theater button at the top of the page.
- 3. He selects the one he likes from the available shows and clicks on it.
- 4. He views the event rules and ticket prices he fills the fields in the buy ticket form and he clicks the next button.
- 5. He chooses his seat and ticket delivery option and he clicks the next button.
- 6. He fills up the payment information and clicks buy button.
- 7. He sees the feedback that the ticket was purchased successfully or not.

Scenario name <u>payTicketCost</u>

Participating Actor Instances John: User

Flow of events

- 1. John wants to buy a ticket for an event. He logins to his biletix account.
- 2. He chooses the event category, date and location thensearches events. He picks a music event he likes then displays the event.
- 3. He clicks the buy ticket button on the event page, he sees the price and clicks the "Pay Ticket".

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createAddress

Participating Actor Instances John: User

Flow of events

- 1. John just created a biletix account. He wanted to buy a ticket for an event He wants to attend. Before buying the ticket he realized he didn't add his address.
- 2. He clicks on the My Account button and then on the My Addresses button.
- 3. Then, he writes his address and presses the <u>create address</u> button. After that he clicks my addresses button again. He can see his newly created address on the list of addresses.

Scenario name

displayAddress

Participating Actor Instances John: User

Flow of events

- 1. John logins to his biletix account. He wants to buy a ticket for an event he wants to attend. Before buying the ticket he wants to confirm that his address is correct.
- 2. He clicks the My Account button and then My Addresses button.
- 3. He sees his addresses being displayed on the website.

Scenario name

updateAddress

Participating Actor Instances John: User

Flow of events

- 1. John moved from his old house to a new house. Because of that he wants to update his address information on the biletix website.
- 2. He logins to his account. He clicks on the My Account button and then clicks on the My Addresses button. He sees his addresses being displayed on the website.
- 4. He clicks the update my address button and updates his address.

Scenario Name: deletingAddress

Participating Actor Instances: <u>Jack: User</u>

Flow of Events:

- Jack has recently moved to a new location and wants to delete his address he
 created before. He opens his computer and goes to the biletix website from his
 web browser. He sees the main page of the website.
- 2. He then clicks on the "My Account" button that is on the main page. He chooses "My addresses" then he sees his current address on the page. He clicks the delete button underneath his address.
- 3. Jack's receives a feedback that his address is succesfully deleted.

Scenario Name: viewingTickets

Participating Actor Instances: Jack: User

Flow of Events:

1. Jack has bought a ticket to a concert a week ago and wants to check his ticket again to check if everything is alright. He opens his computer and goes to the biletix page then logs in.

2. He clicks "My account" button that is on the main page. Then he chooses "My tickets" from the option.

3. He sees his tickets being listed on the page with its details.

Scenario Name: cancellingTickets

Participating Actor Instances: Sarah: User

Flow of Events:

1. Sarah got the news that her friend cannot make it to the concert. She decides she doesn't want to go alone so she wants to cancel her ticket. She goes on her computer and logs into the Biletix website.

2. She clicks on "My account" then chooses "My tickets" from the screen.

3. Her tickets are being displayed so she chooses the correct ticket and then clicks "Cancel my ticket"

4. "Ticket has been cancelled succesfully" message appears on the screen and she gets a money refund on her account.

Scenario Name: displayPersonalInfo

Participating Actor Instances: Sarah: User ,Jack:EventHolder

Flow of Events:

- Sarah/Jack created a biletix account and now wants to see if she/he entered her/his
 personal information correctly. So she/he logs into the Biletix website and clicks on the
 "My Account" button that is on the main page.
- 2. Then she/he chooses "My Profile" from the option.
- 3. Website directs her/him to My Profile page and here he/she sees her/his personal information, such as name, surname, date of birth.

Scenario Name: updatePersonalInfo

Participating Actor Instances: Sarah: User

Flow of Events:

- 1. Sarah notices she entered her personal information wrong when she created her account asnd she wants to change it. So she clicks "My Account" and choses "My Profile" option.
- 2. She gets directed to her profile page, here she can edit her personal information. She sees that she entered her date of birth incorrectly so she clicks on the "Edit Profile" button and changes her birth date.
- 3. Then she clicks the save button and system saves her new information.
- 4. She sees the "Profile updated" message on the screen.

Scenario name

CreateEvent

Participating Actor Instances <u>Jake: EventHolder</u>

Flow of events

1. Jake wants to promote and sell tickets for the concert his company is organizing. Jake contacts with the 'Biletix' customer services and creates an $\,$

'Event Holder' account with his email address and a password.

2. Jake enters the 'Biletix' website and logs in with his email and password

He sees the main page of the website, he sees the 'Events button and clicks on

it. He clicks create event button on the events page.

3. Jake sees the event creation form and enters the Event Title, Event Pictures, Event Description, Organizer Name, Event Category, Tags, Location, Date and Time, Ticket Quantity and Ticket Price information of the concert he wanted to promote. He finishes the form and clicks on the 'Publish' button.

4. Jake sees the event he created on the events page of the website.

Scenario name

DeleteAnEvent

Participating Actor Instances Jake: EventHolder

Flow of events

1. Jake wants to delete the concert event he created. He opens his laptop and enters biletix website from his web browser. Then he logs in with his email and password and directed to the main page.

2. Jake clicks the events button. He sees the event he wants to delete on the events list on the event page and clicks on the 'Edit' button next to it.

Then he sees the event information on the edit page and Scrolls through the end of the page then he clicks on the 'Delete Event' button.

3. Jake gets a feedback about the deletion and he saws that the event is not shown on the events list.

Scenario name	DeleteAnEventAsAdmin
Participating Acto	or Instances Jake: EventHolder
Flow of events	 Taylor is the admin of the 'Biletix' website. Taylor once scrolls through the events to see if there is any inaccuracy or fault in the events. Taylor sees one event that keeps on postponing for a year. She tries to reach the organizer but their information is no longer in use. She decides to delete the event. She turns back to the main page and clicks on the event she decided to delete. Then she clicks 'Delete Event' button next to the event and gets a
	feedback about the deletion
Scenario name	<u>ViewUsers</u>
	ViewUsers or Instances Taylor: Admin
Participating Acto	or Instances Taylor: Admin
Participating Acto	1. Taylor is the admin of the 'Biletix' website. She wants to see all the user's

Scenario name	<u>ViewEventHolders</u>
Participating Acto	or Instances Taylor: Admin
Flow of events	1. Taylor is the admin of the 'Biletix' website. She wants to see all the event
	Holder informations.
	2. She enters the website and logs in as an Admin. Then at the main page she
	clicks on the 'EventHolders' button and sees all the information about event
	holders.
Scanario nama	Deletellser
Scenario name	<u>DeleteUser</u>
	DeleteUser or Instances Taylor: Admin
Participating Acto	or Instances Taylor: Admin
Participating Acto	1. Taylor is the admin of the 'Biletix' website. Taylor is contacted by a user who wants their account deleted. Taylor logins to the website and display the user
Participating Acto	1. Taylor is the admin of the 'Biletix' website. Taylor is contacted by a user who

Scenario name	<u>DeleteEventHolder</u>
Participating Acto	or Instances <u>Taylor: Admin</u>
Flow of events	1. Taylor is the admin of the 'Biletix' website. Taylor is contacted by a event
	Holder wh owants their account deleted. Taylor logins to the website and
	Clicks event holders buttons and display the event holders list.
	2. Taylor selects the mentioned eventholder and clicks on the 'Delete' button. Then she gets a feedback about the deletion.
Use case mod	del
Use case name C	reateAccount
Participating Acto	ors Initiated by Visitor
Flow of events	1. Visitor clicks the CreateAccount button on the main page of the
	website.
	2. System shows user two options if he wants to create a user account

or event holder account.

3. Visitor clicks user account option.

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	4. System shows account creation from to the visitor.
	5. Visitor enters the required user information.
	6. System validates the information and notifies user that the account
	has been created.
Entry condition	Visitor enters the website.
Exit conditions	Visitor receives feedback about account creation.
Quality Requirem	nents 1) System should give feedback in 5 seconds.
Use case name C	reateEventHolderAccount
Participating Acto	ors Initiated by Visitor
——————————————————————————————————————	ors initiated by visitor
Flow of events	1. Visitor clicks the CreateAccount button on the main page of the
	website.
	2. System shows user two options if he wants to create a user account
	or event holder account.
	3. Visitor clicks event holder account option.
	4. System shows account creation from to the visitor.
	5. Visitor enters the required user information.
	6. System validates the information and notifies user that the account
	harden and the desired

has been created.

<biletixx> Entry condition</biletixx>	Visitor enters the website.
Exit conditions V	isitor receives feedback about account creation.
Quality Requiremen	ts 1) System should give feedback in 5 seconds.
Use case name Sea	rcnEvent
Participating Actors	Initiated by Visitor, User
Flow of events	Visitor, User chooses the event category, time and location from
	the menu on the main page of the website. Visitor clicks <u>SearchEvent</u>
	button on the main page.
	2. System shows the event list to the visitor,user.
Entry condition	Visitor,User enters the website.
Exit conditions V	isitor,User is shown the event list by system.

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Use case name Display

Participating Actors Initiated by Visitor, User

Flow of events

- 1. **Visitor,User** chooses the event category, time and location from the menu on the main page of the website. Visitor clicks <u>SearchEvent</u> button on the main page.
- 2. **System** shows the event list to the visitor, user.
- 3. **Visitor, User** clicks <u>DisplayEvent</u> button next to the event they choose.
- 4. **System** shows the information of the event visitor, user choose.

Entry condition	Vicitor II	cor ic chown	the event list
Entry condition	visitor.u	ser is snown	the event list.

Exit conditions Visitor, User is shown the information of the chosen event..

Quality Requirements 1) System should display the event information in 5 seconds.

Use case name	Use case name Login		
Participating Act	tors Initiated by Visitor		
Flow of events	1. Visitor clicks the Log In button on the main page of		
	the website.		
	2. System shows the log in form to the visitor.		
	3. Visitor enters the required information.		
	4. System validates the information and directs user to the main page.		
Entry condition	Visitor has an user account.		
	Visitor entered the website.		
Exit conditions	Visitor successfully logins to website.		

Use case name LogOut		
Participating Actors	Initiated by User, Event Holder	
Flow of events	 User, EventHolder clicks the LogOut button on the main page of the website. System logs out the User, EventHolder. 	
Entry condition	User, Event Holder is logged in.	
Exit conditions	User, Event Holder successfully logouts from the website.	

Use case name	ForgetPassword
Participating Act	or Initiated by Visitor
Flow of events	Visitor clicks ForgetPassword button on the login page of the website.
	2. System shows the reset password form.
	3. Visitor enters his e-mail.
	4. System sends reset password link to Visitor's e-mail.
	5. Visitor clicks the reset password link and creates new password.
Entry condition	Visitor is on the log in page.
Exit conditions	Visitor creates new password.
Quality Requiren	nents 1) System should create password in 5 seconds.

Use case name ChangePassword		
Participating Actor	Initiated by User, Event Holder	
Flow of events	User, Event Holder clicks My Account button on the main page of	
	the website.	
	2. System shows the My account page.	
	3. User, Event Holder clicks change password button.	
	4. System shows change password form to the User, EventHolder	
	5. User, Event Holder enters his current and new passwords.	
	6. System changes the password and gives feedback about it.	
Entry condition	User, Event Holder is logged in.	
Exit conditions	User, Event Holder changes his password.	
	System gives feedback	
Quality Requiremen	System gives feedback	

Use case name	BuyTicket
Participating Act	or Initiated by <u>User</u>
Flow of events	1. User chooses the number of tickets on the event's page.
	2. System confirms the number of tickets.
	3. User clicks buy ticket button on the page.
	4. System directs User to the checkout page.
Entry condition	This use case extends the <u>displayEvent</u> use case.
Exit conditions	User is directed to checkout page.
Quality Requirem	nents 1) System should feedback about ticket in 5 seconds.

Use case name PayTicket

Participating Actors Initiated by User

Flow of events

- 1. User clicks payTicket button on the checkout page.
- 2. **System** shows feedback message to user "You purchase has been complete".

Entry condition This use case **extends** the <u>buyTicket</u> use case.

Exit conditions User is shown a feedback message.

User paid for the ticket.

Use case name CreateAnAddress		
Participating Ac	tors Initiated by User	
Flow of events	1. User clicks My Account on the main page of the website .	
	2. System shows the information about user account.	
	3. User clicks the My Addresses button.	
	4. System shows the My Addresses screen.	
	5. User clicks the create an address button and he writes his address.	
	6. System shows his address in address screen.	
Entry condition	User logged in.	
Exit conditions	User address is created.	

Use case name I	Use case name DisplayAddresses		
Participating Act	tors Initiated by User		
Flow of events	1. User clicks My Account on the main page of the website .		
	2. System shows the information about user account.		
	3. User clicks the My Addresses button.		
	4. System shows the addresses to the user.		
Entry condition	User is logged in.		
	User has created at least one address.		
Exit conditions	User is shown his addresses.		

Use case name	Use case name UpdateAddress		
Participating Ac	tors Initiated by User		
Flow of events	1. User clicks My Account on the main page of the website .		
	2. System shows the information about user account.		
	3. User clicks the My Addresses button.		
	4. System shows the My Addresses screen.		
	5. User clicks the update address button.		
	6. System shows the update screen of address.		
	7. User updates his address and clicks the save button.		
	8. System shows his new address.		
Entry condition	User is logged in.		
Exit conditions	User updated his address.		

Use Case Name: DeleteAddress
Participating Actors: Initiated by User
Flow of Events:
1. User logs in and clicks on My Account button on the main page.
2. System shows My Account page.
3. User clicks on My Addresses button from the options.
4. System shows users adresses.
5. User clicks the delete address button.
 System deletes the address information and notifies user that their address has been deleted succesfully.
Entry Condition: User enters website.
Exit Condition: User receives feedback about their address being deleted.
Quality requiremenets: 1. System should give feedback within 5 seconds.

Quality requiremenets: 1. System should display users tickets within 5 seconds.

Use Case Name: displayPersonalInfo		
Participating Actors: Initiated by User, EventHolder		
Flow of Events:		
1. User or EventHolder logs in and chooses "My Account" from the main page.		
2. System shows "My Account" page.		
3. User or EventHolder clicks on "My Profile"		
4. System directs user to their profile page.		
5. User or EventHolder sees their personal information displayed.		
Entry Condition: User or EventHolder enters website.		
Exit Condition: User or EventHolder is shown their personal information on the screen.		
Quality requiremenets: 1. System should display the required page within 5 seconds.		

Use Case Name: updatePersonalInfo Participating Actors: Initiated by User		
1. User	logs in and chooses "My Account" from the main page.	
2. Syste	m shows "My Account" page.	
3. User	clicks on "My Profile"	
4. Syste	m directs user to their profile page.	
5. User	sees their personal information displayed and clicks "Edit Profile" button.	
6. Syste	m becomes editable and lets user edit their profile.	
7. User	changes their personal information and clicks "Save".	
8. Syste	m displays "Profile Updated" message on the screen.	
Entry Condition: User logs in.		
Exit Condition: User successfully updated her personal info.		
Quality requirem	enets: 1. System should display the "Profile Updated" message and save the new nin 5 seconds.	

Use case name	Use case name AddNewEvent						
Participating Act	tors Initiated by EventHolder						
Flow of events	1. EventHolder enters the website and logs in.						
	2. System direcst him to the EventHolder's page of the website.						
	3. EventHolder clicks Events button on the page.						
	4. System shows a page consisting of the list of events that has been						
	created by EventHolder before.						
	5. EventHolder clicks on addNewEvent button on the Events page.						
	6. System shows event creation form to the EventHolder .						
	7. EventHolder enters event information to the form and confirms.						
	8. System shows the created event to the EventHolder.						
Entry condition	EventHolder logins to website.						
Exit conditions	EventHolder has successfully created an event.						

Use case name DeleteEvent

Participating Actors Initiated by EventHolder,Admin

Flow of events

- 1. The Actor logs in and clicks on Events button on the Actor's page.
- 3. System shows a list of events that has been created before.
- 4. **The Actor** clicks on the <u>Edit</u> button next to the event they wanted to delete.
- 5. System shows the event information to the The Actor
- 6. The Actor clicks on the <u>Delete Event</u> button at the bottom of the page.
- 7. **System** gives a feedback to the **The Actor** r about the deletion.

Entry condition There is at least one event created before.

Exit conditions The Actor has successfully deleted an event.

Use case name ViewInformationofUsers					
Participating Act	ors Initiated by Admin				
Flow of events	1. Admin enters the website and logs in.				
	2. System directs Admin to his page.				
	3. Admin clicks on the <u>Users</u> button.				
	4. System shows the information of users.				
Entry condition	Admin logins to website.				
	There is an at least one user account.				
Exit conditions	Admin has successfully viewed user information.				

Use case name ViewInformationofEventHolders					
Participating Act	ors Initiated by Admin				
Flow of events	1. Admin enters the website and logs in.				
	2. System directs Admin to his page.				
	3. Admin clicks on the <u>EventHolders</u> button.				
	4. System shows the information of EventHolders.				
Entry condition	Admin logins to website.				
	There is an at least one event holder account.				
Exit conditions	Admin has successfully viewed event holder information.				

Use case name **DeleteUser**

Participating Actors Initiated by Admin

Flow of events

- 1. Admin logins to website
- 2. System directs Admin to the admin page.
- 3. Admin clicks users button on the page.
 - 4. **System** shows the list of users and their personal information.
 - 5. Admin selects the user they want to delete and clicks on the

"Delete" button.

6. System gives feedback to Admin about the account deletion.

Entry condition

Admin enters to website.

There is at least one user account.

Exit conditions

Admin has successfully deleted user account.

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Use case name DeleteEventHolder

Participating Actors Initiated by Admin

Flow of events 1. Admin logins to website

- 2. System directs Admin to the admin page.
- 3. Admin clicks eventholders button on the page.
 - 4. **System** shows the list of eventholders and their

personal information.

5. **Admin** selects the event holder they want to delete and clicks on the "Delete" button.

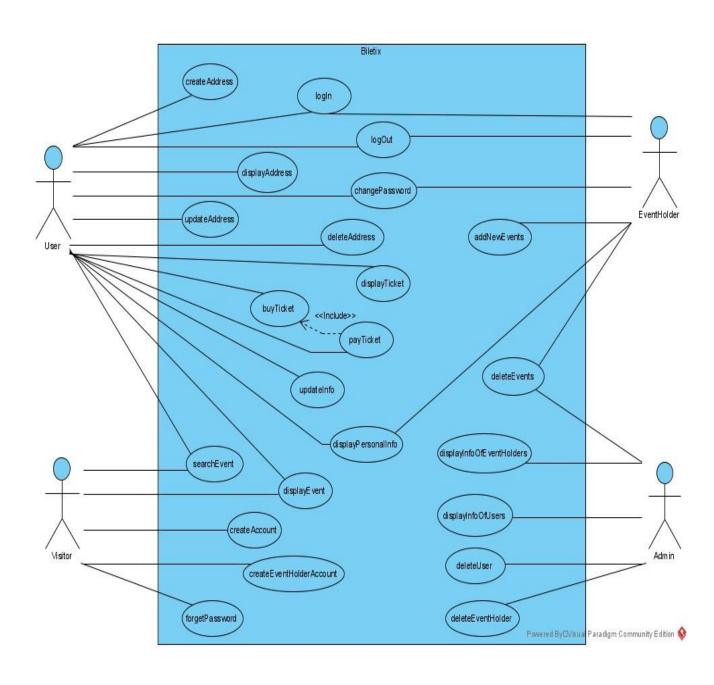
6. System gives feedback to Admin about the account deletion.

Entry condition Admin enters to website.

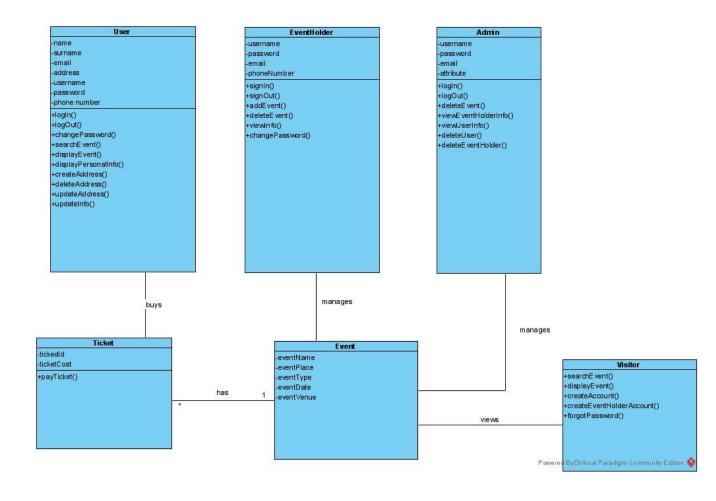
There is at least one event holder account.

Exit conditions Admin has successfully deleted user account.

USE CASE DIAGRAM

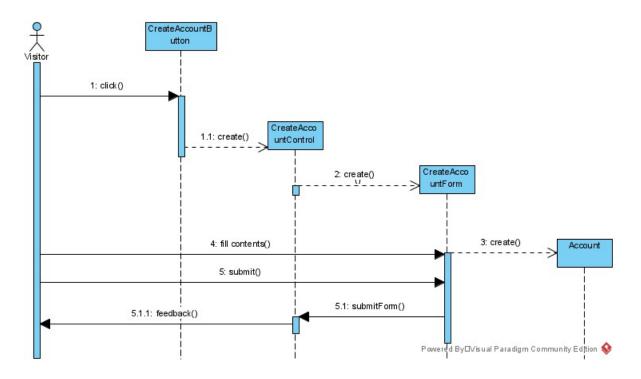


Object model

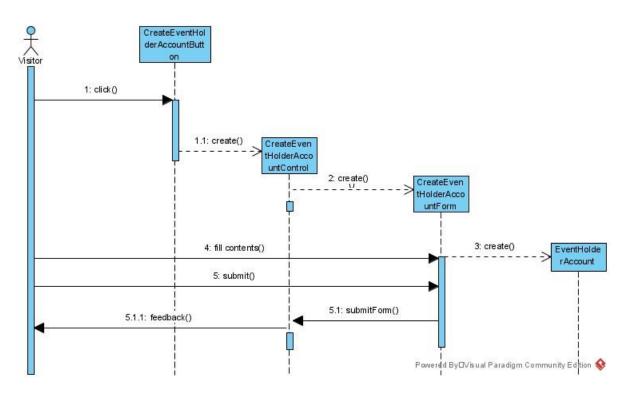


Dynamic model

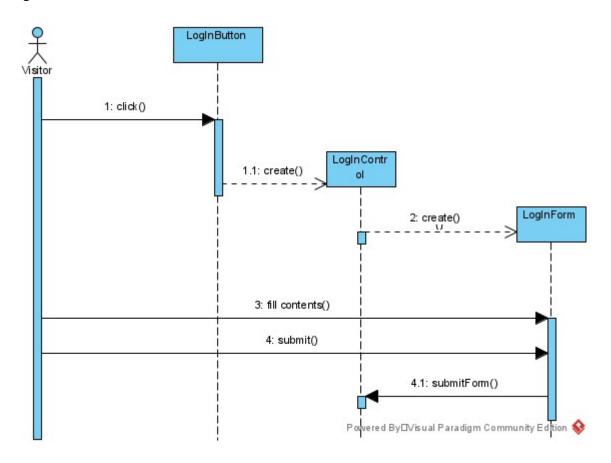
1) Create Account



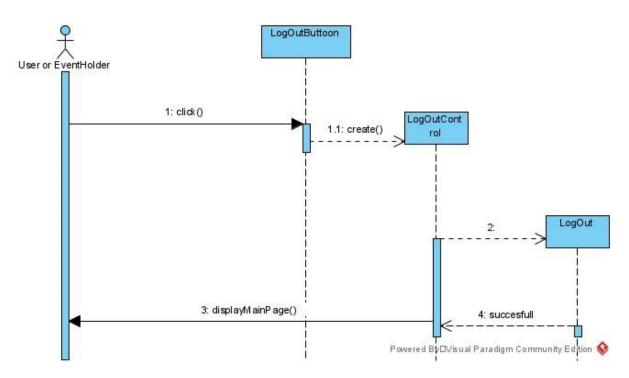
2) Create EventHolder Account



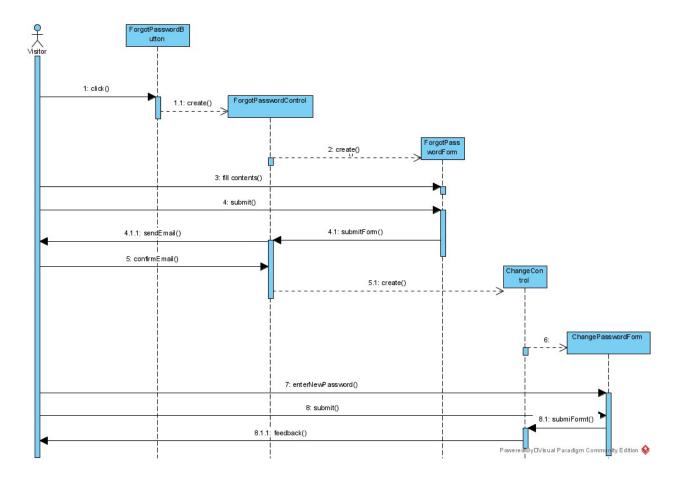
3) LogIn



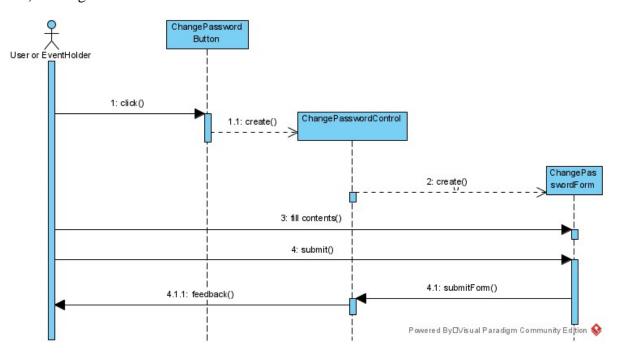
4) LogOut



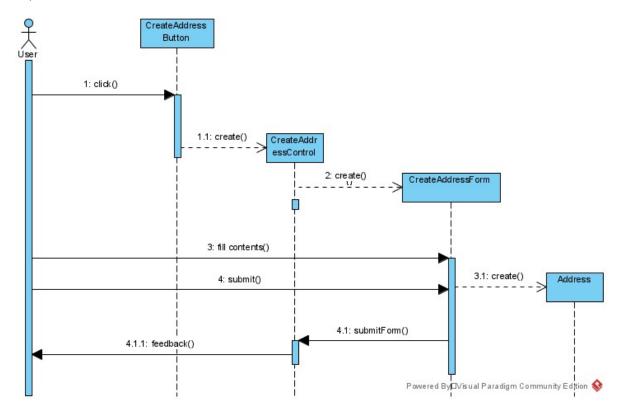
5) Forget Password



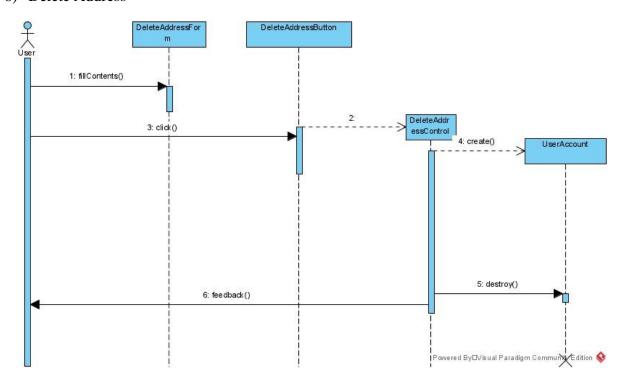
6) Change Password



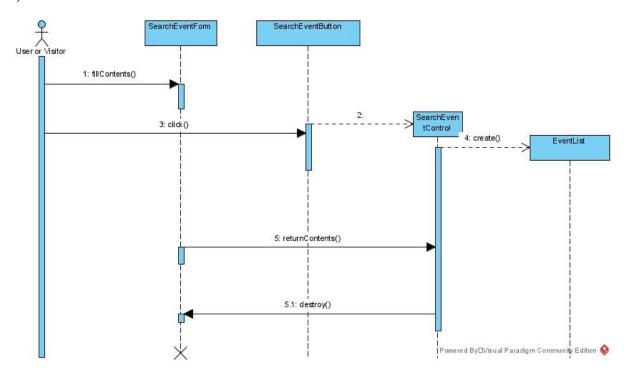
7) Create Address



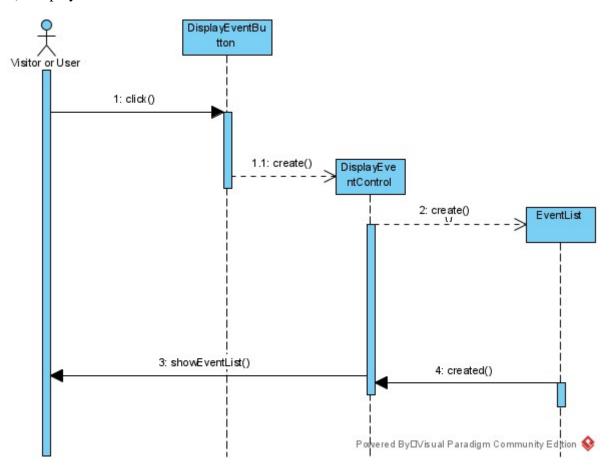
8) Delete Address



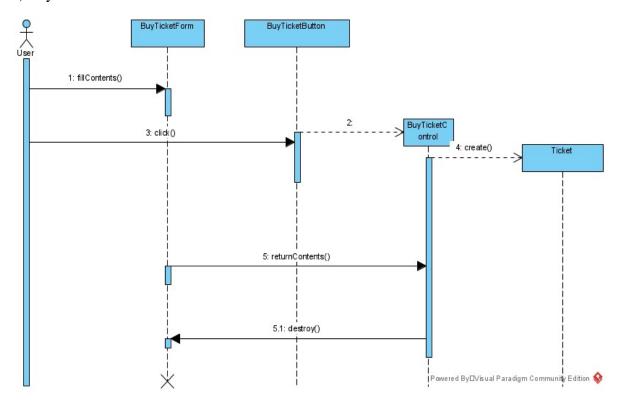
9) Search Event



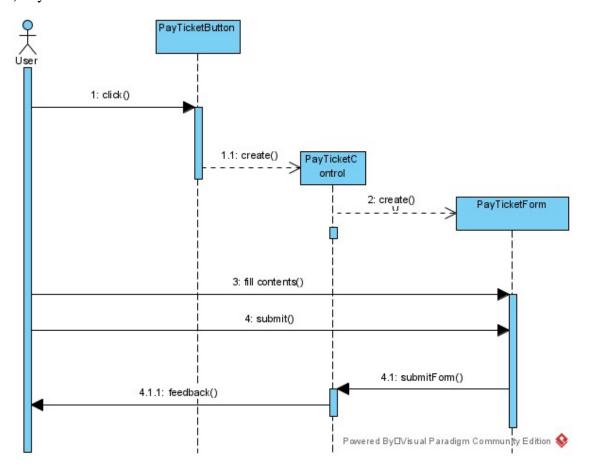
10) Display Event



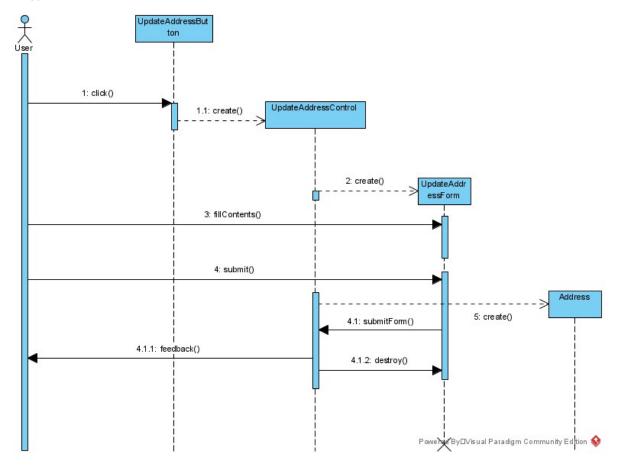
11) Buy Ticket



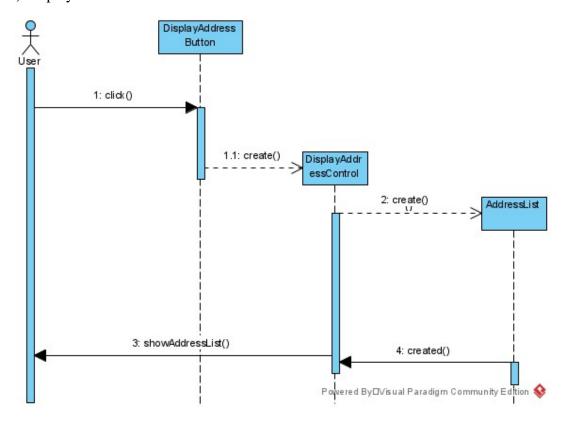
12) Pay Ticket



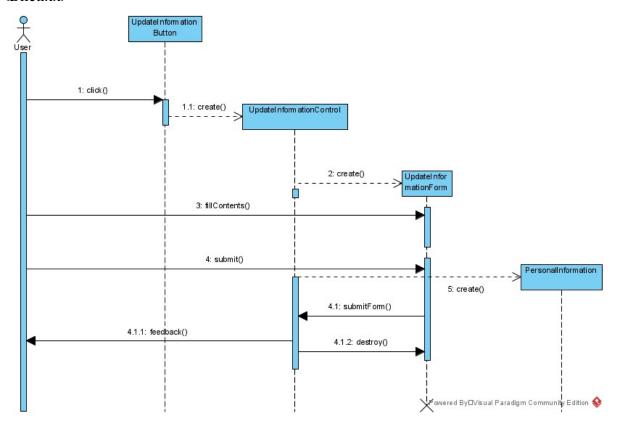
13) Update Address



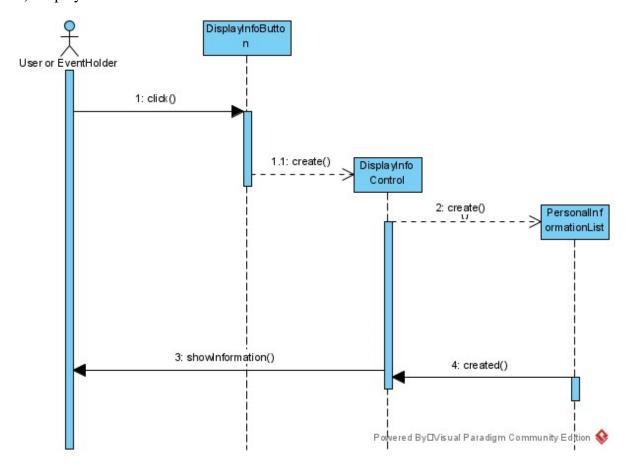
14) Display Address



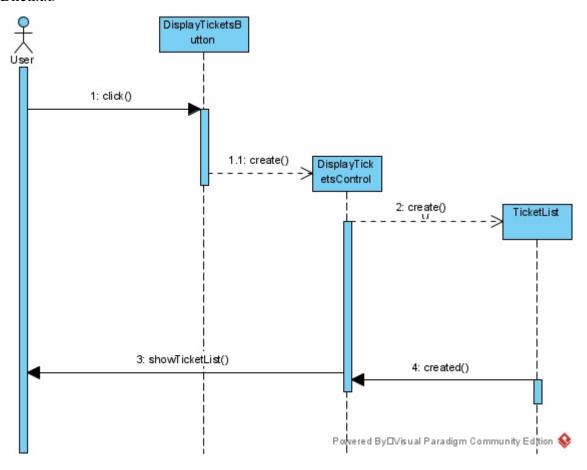
15) Update Information



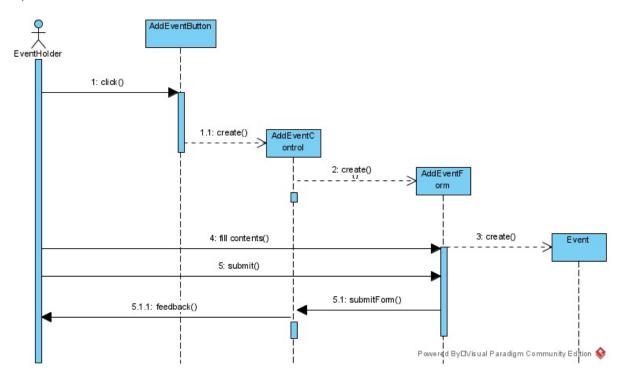
16) Display Personal Information



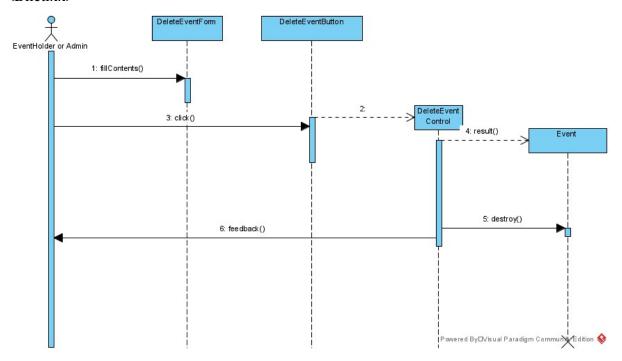
17) Display Ticket



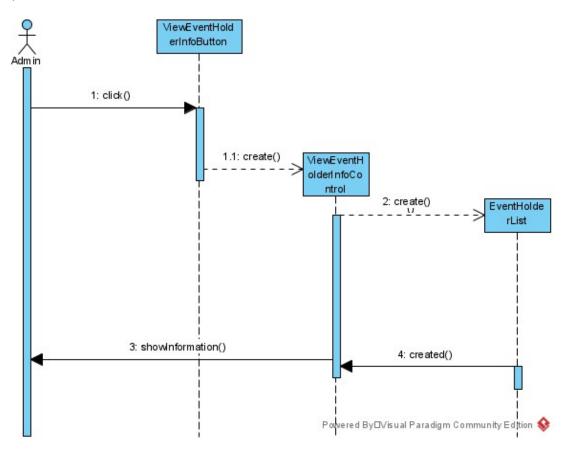
18) Add Event



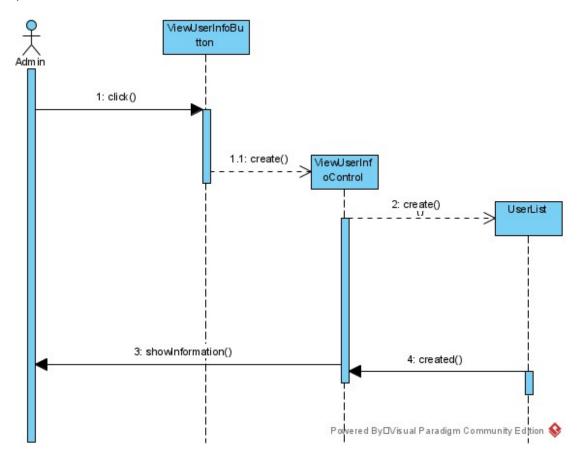
19) Delete Event



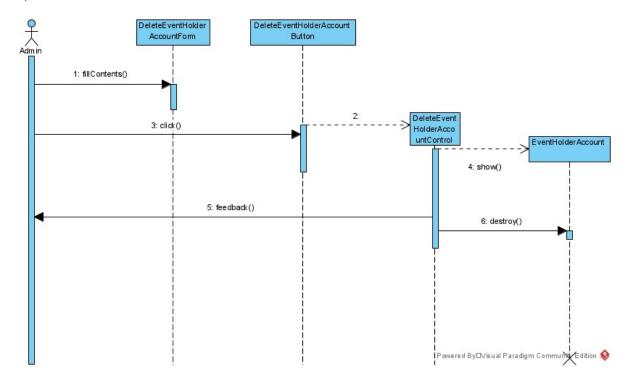
20) View EventHolder Info



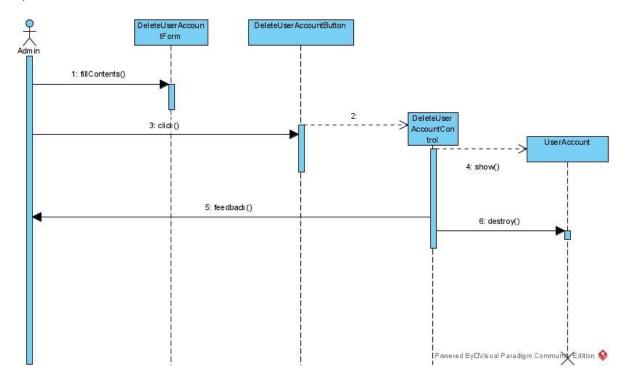
21) View User Info



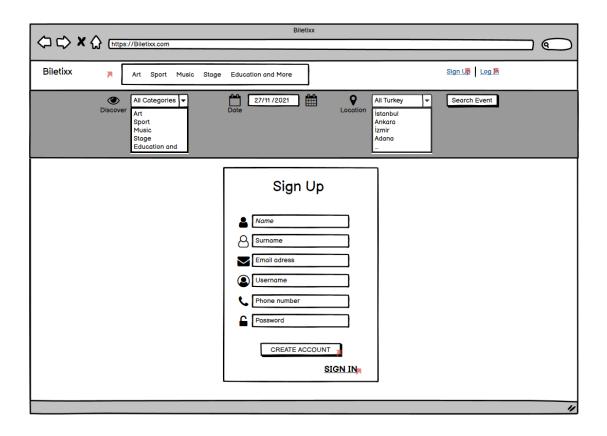
22) Delete EventHolder Account

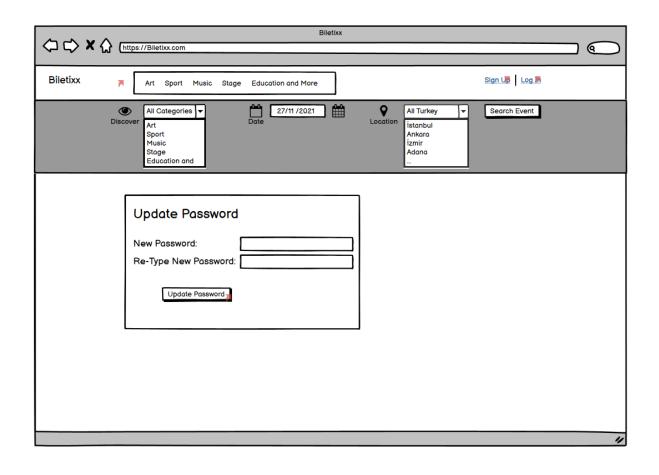


23) Delete User Account



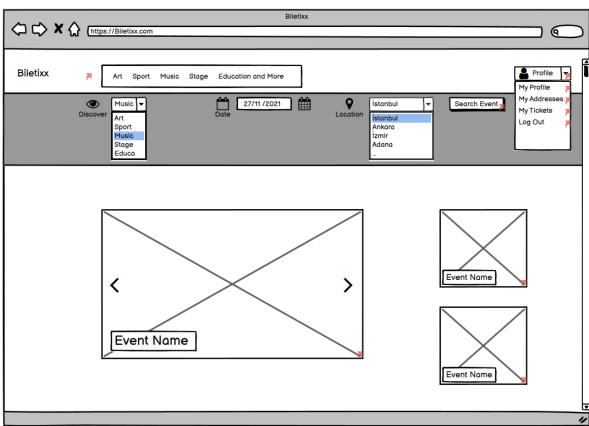
User interface—navigational paths and screen mock-ups

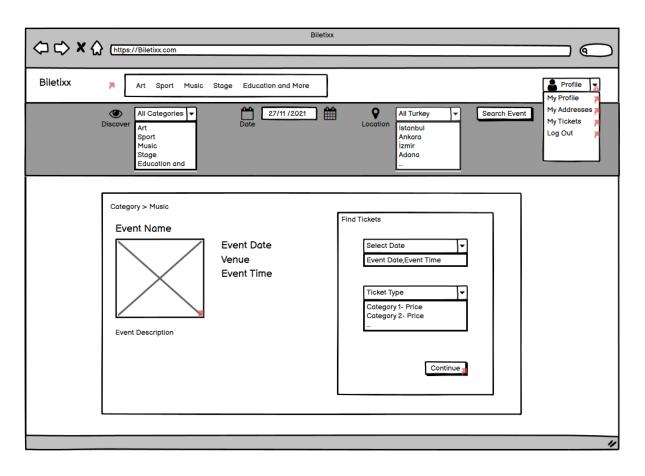


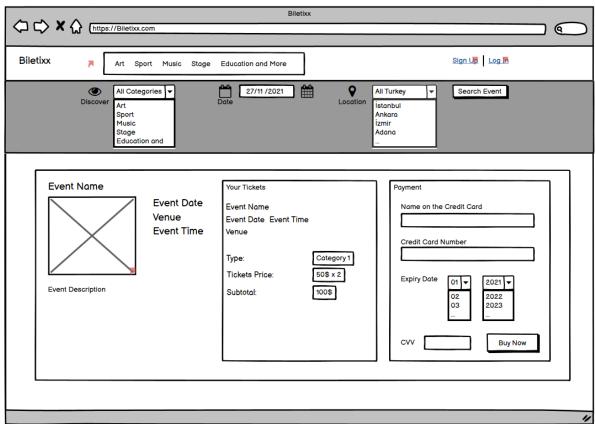


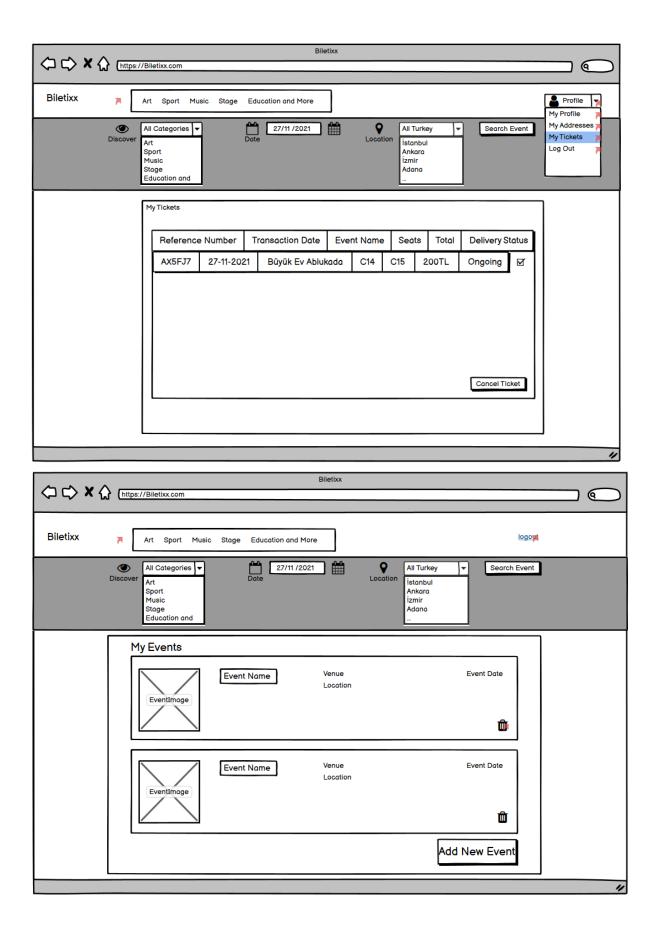


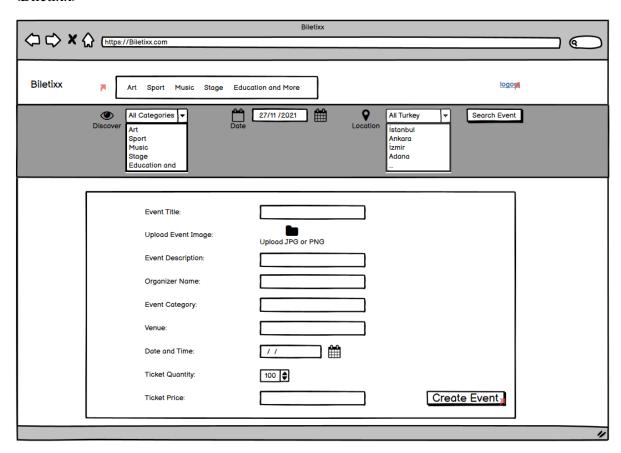






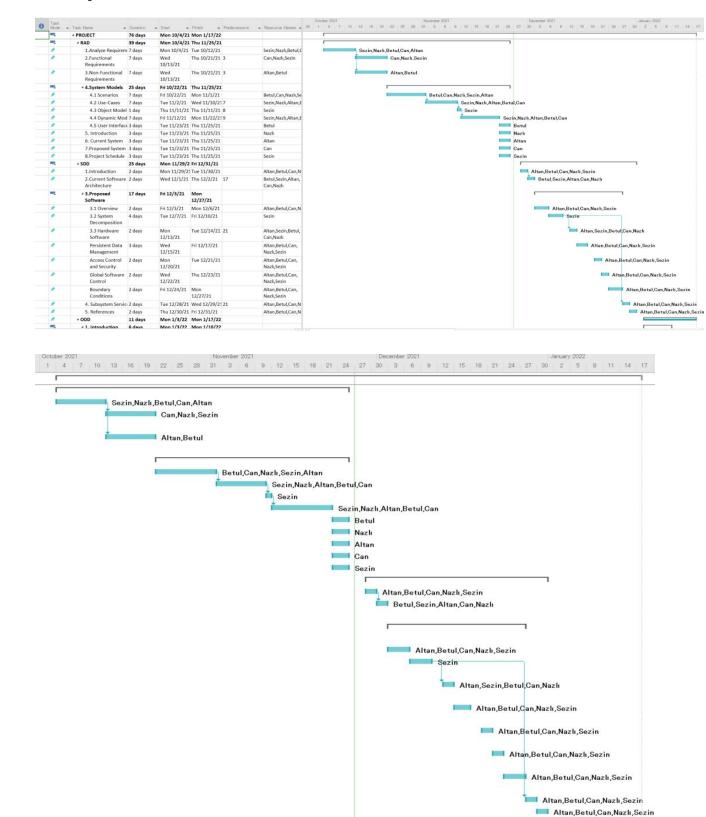


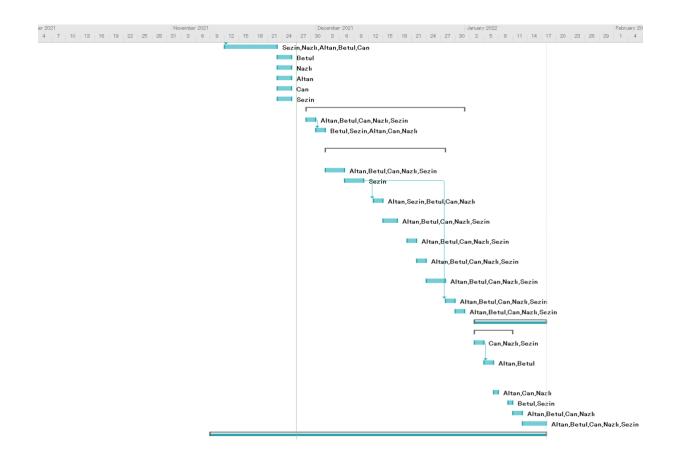






3.5. Project Schedule





4. Glossary

Use Case: A specific situation in which a function could be used.

Entry Condition: The condition needed to activate a function.

Exit Condition: The condition needed to consider a function successfully done.

<u>Visitor</u>: A user who is viewing the but didn't log in to an account yet.

User: A user who is viewing the RBS and logged into an account.

Event Holder: A person who create the events.

<u>Admin/Administrator:</u> A person who manages all content about the Biletixx (users, database, events etc.)

<u>System</u>: A controller which operates all of the functions in the background.

Sign in Form: A form that contains "username" and "password" fields which will be filled by the user who wants to log into an account.

Sign up Form: A form that contains "first name", "last name", "username", "e-mail", "password" and "re-enter password" fields which will be filled by the user who wants to register.

Homepage: The initial screen of the Biletixx.

Profile: A page that contains user's information.

<u>Ticket</u>: Ticket to be purchased for the event.

<u>Forgot Password Form:</u> A form contains a text field for the recovery code and two password fields for the new password which need to be filled by the user who forgot his/her password in order to set a new password.

<u>Change Password Form:</u> A form contains three password fields (one for the current password, two for the new password) which need to be filled by the user who wants to change password.

5. References

- **1.** Bruegge B. & Dutoit A.H.. (2010). *Object-Oriented Software Engineering Using UML, Patterns, and Java*, Prentice Hall, 3rd ed.
- 2. https://www.biletix.com/anasayfa/TURKIYE/tr