Prepared for: Dr. Jamilah al-Amri.

Project Name:	**KSA EYE'S**
Sprint 1 #:	project initiation.
Submission Date:	16/5/2023.
Team Members:	1. Ghaida Aljahddali. ID: 2110256 2. Joud Alshehri. ID: 2110281 3. Maha Shehab. ID: 2110911 4. Razan Dajam. ID: 1911492
Section:	CCSW-315-SB7.

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KSA EYE'S

Introduction:

In line with the Kingdom's Vision 2030, the General Entertainment Authority was established to organize and develop the entertainment sector in the Kingdom and to provide recreational options and opportunities for all segments of society in all regions of the Kingdom, to enrich life and draw joy. And to stimulate the role of the private sector in building and developing entertainment activities.

With the significant raise of technology, many people started to depend on applications which make it easier for them to perform some daily tasks.

Therefore, we decided to create an application that will help to reduce time and effort of searching of adventures around the kingdom.

Project description:

The idea of our project is to design the "KSA EYE" application, which allows users to identify all adventure destinations in the Kingdom and helps tourists and residents by providing all the entertainment they need in one application.

Problem definition:

We have a lot of places and adventure events in Saudi Arabia, however, there is no single application that combines all these places in an organized and easy to-use way to help tourists have a better experience while they are in Saudi Arabia.

Proposed Solutions:

Design a tourist application interface that brings together all adventure destinations in the Kingdom of Saudi Arabia. This application provides a display of adventure destinations, events and seasons organized by the Ministry of Tourism and the Entertainment Authority. The application also provides the ability to display the prices of these adventure events and their locations and book through it.

scope:

The scope of work for our application is directing visitors to go to tourist places to facilitate fun and adventure, as it raises the income of people and institutions. On the other hand, it will raises the reputation of the country, which is the goal included in the economic scope.

Who Are the Targeted Users?

Targeted users are:

- The tourists.

- The residents.

- Ministry of tourism.

Functional requirements:

FR 01: create account.	**- The system shall allow the user to create account.**
FR 02: log in account.	- A user shall be able to log into the system using their username and password.
FR 03: display the list of adventures and events.	- A system shall be able to display the list of available adventures and event.
FR 04: showing the details for adventures and events.	- The system shall be able to show details of each adventure or event (date, price, location).
FR 05: book the activity.	- A user shall be able to book an activity.
FR 06: the way of payment.	- The system shall be able to provide various payment methods.
FR 07: edit on the reservation.	- A user shall be able to edit a reservation.

FR 08: cancelled the reservation.	- A user shall be able to cancelled a reservation.
FR 09: display the reservation details.	- The system shall be able to show reservation details to the user.

Non-Functional requirements:

N-FR 01: certain period to payment.	**- The system shall be able to specify a certain period to complete the payment process.**
N-FR 02: display the events by region.	- The system shall be able to display specific events for each region according to availability.
N-FR 03: provide two languages.	- The system shall be able to provide Arabic and English languages for users.
N-FR 04: display reservation details after payment.	- The system shall be able to display the reservation details after completing the payment process.
N-FR 05: refund the money when cancelled.	- The system shall be able to refund the money to the users if the reservation is canceled within 24 hours ahead of time.

Story Backlog:

Component Name: create an account.
Story Name: Account creation
Story Sequence No: 001
Story Short Description: system allow the new users to register for an account.
Story Long Description: The User should be able to create an account by providing a personal information such as name, email, and password. The system should validate the information entered by the user and store it securely in the database. Sensitive information such as password should be encrypted before storage.

Component Name: log in account
Story Name: log in account
Story Sequence No: 002
Story Short Description: User can log in them account.
Story Long Description: Users shall be able to log in into the system using their username and password.

Component Name: Display the adventures and the events.
Story Name: Display the adventures and the events.
Story Sequence No: 003
Story Short Description: a system can list the adventures and the events.
Story Long Description: a system shall be able to display the list of the available adventures and the events.

Component Name: details of the event and the adventures.
Story Name: more details of the event and the adventures.
Story Sequence No: 004
Story Short Description: the system showing the details for adventures and event.
Story Long Description: The system shall be able to show more details of each adventure or event (date, price, location) for user.

Component Name: book adventure or event.
Story Name: book adventure or event.
Story Sequence No: 005

Story Short Description: User can book adventure or event.
Story Long Description: A user shall be able to book an activity or an event that the system list it before.
Component Name: way of payment.
Story Name: way of payment.
Story Sequence No: 006
Story Short Description: User can choose a method of payment.
Story Long Description: The system shall be able to provide various payment methods.

Component Name: edit on the reservation.
Story Name: edit on the reservation.
Story Sequence No: 007
Story Short Description: User can edit on the reservation details.
Story Long Description: Users shall be able to edit on them reservation details they want it by add or change.

Component Name: cancelled the reservation.

Story Name: cancelled the reservation.

Story Sequence No: 008

Story Short Description: User can delete or cancelled the reservation details.

Story Long Description: Users shall be able to cancelled them reservation details they want it by delete it .

Component Name: display the reservation details.

Story Name: display the reservation details.

Story Sequence No: 009

Story Short Description: User Can view the reservation details.

Story Long Description: The system shall be able to show reservation details to the user.

Sprint #1:

Component Name: create an account.
Story Name: Account creation
Story Sequence No: 001
Story Short Description: system allow the new users to register for an account.
Story Long Description: The User should be able to create an account by providing a personal information such as name, email, and password. The system should validate the information entered by the user and store it securely in the database. Sensitive information such as password should be encrypted before storage.

Component Name: log in account
Story Name: log in account
Story Sequence No: 002
Story Short Description: User can log in them account.
Story Long Description: Users shall be able to log in into the system using their username and password.

Component Name: Display the adventures and the events.
Story Name: Display the adventures and the events.
Story Sequence No: 003
Story Short Description: a system can list the adventures and the events.
Story Long Description: a system shall be able to display the list of the available adventures and the events.

Sprint #2:

Component Name: details of the event and the adventures.
Story Name: more details of the event and the adventures.
Story Sequence No: 004
Story Short Description: the system showing the details for adventures and event.
Story Long Description: The system shall be able to show more details of each adventure or event (date, price, location) for user.

Component Name: display the reservation details.
Story Name: display the reservation details.
Story Sequence No: 009
Story Short Description: User Can view the reservation details.
Story Long Description: The system shall be able to show reservation details to the user.
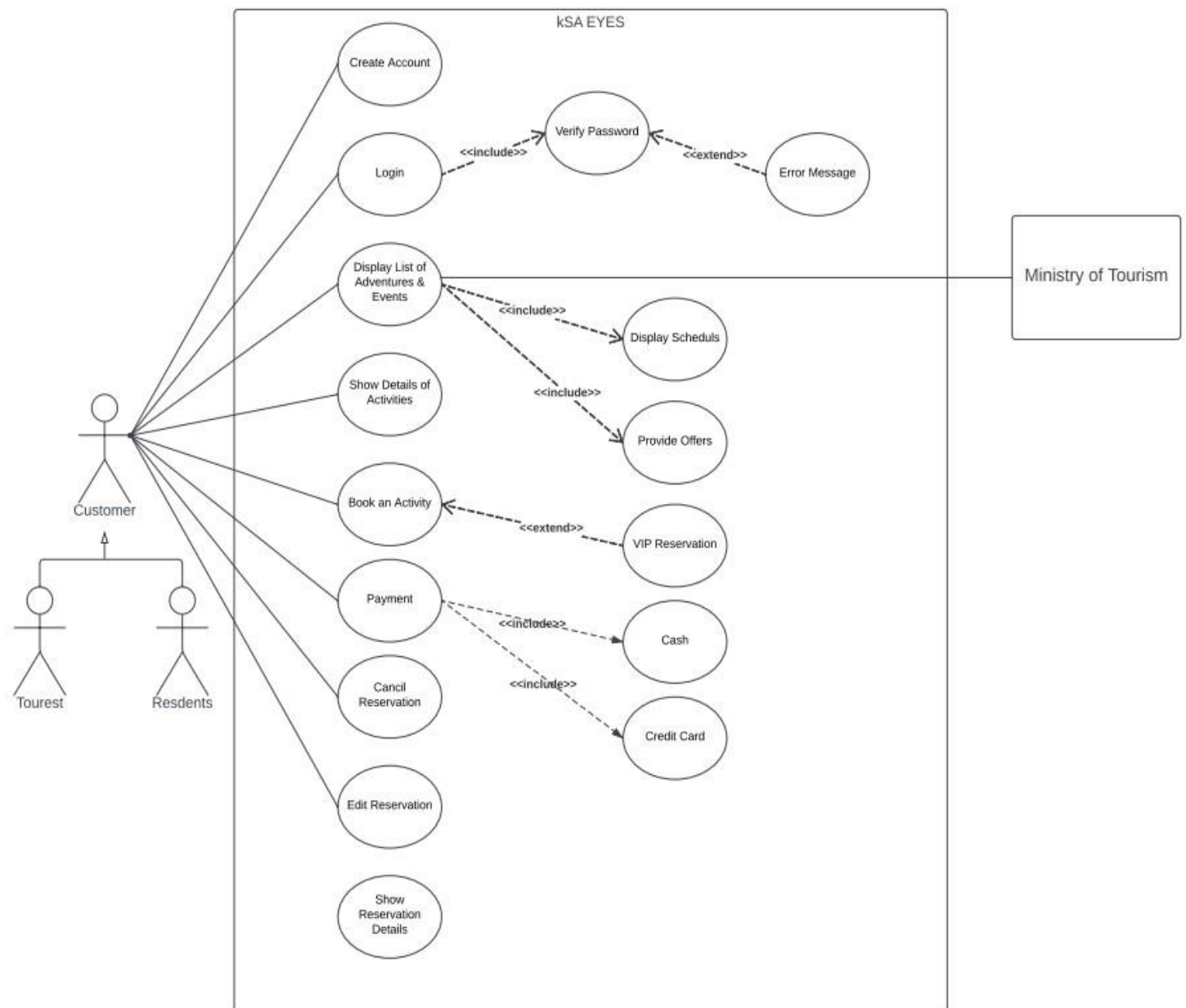
Component Name: book adventure or event.
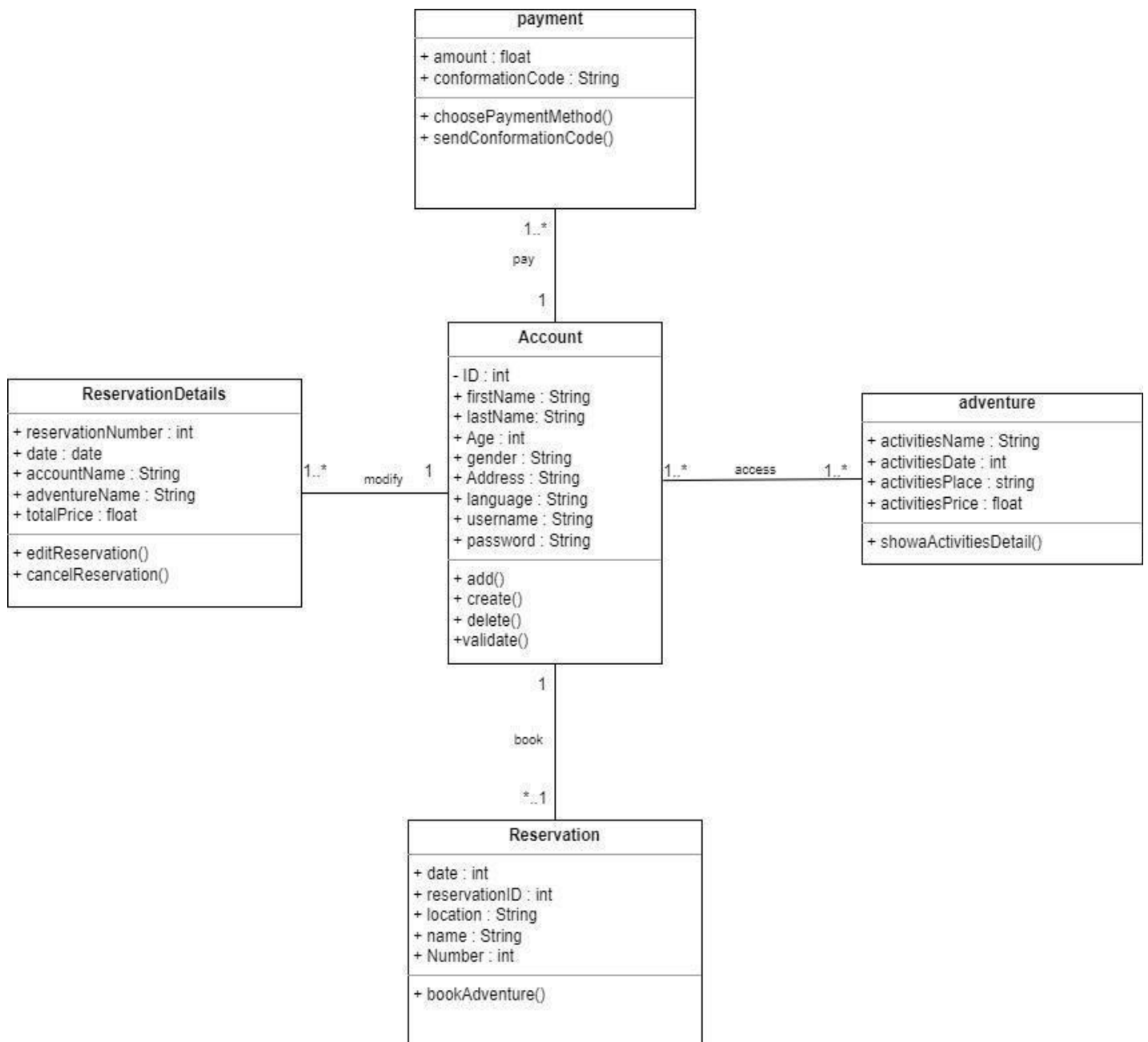Story Name: book adventure or event.
Story Sequence No: 005
Story Short Description: User can book adventure or event.
Story Long Description: A user shall be able to book an activity or an event that the system list it before.
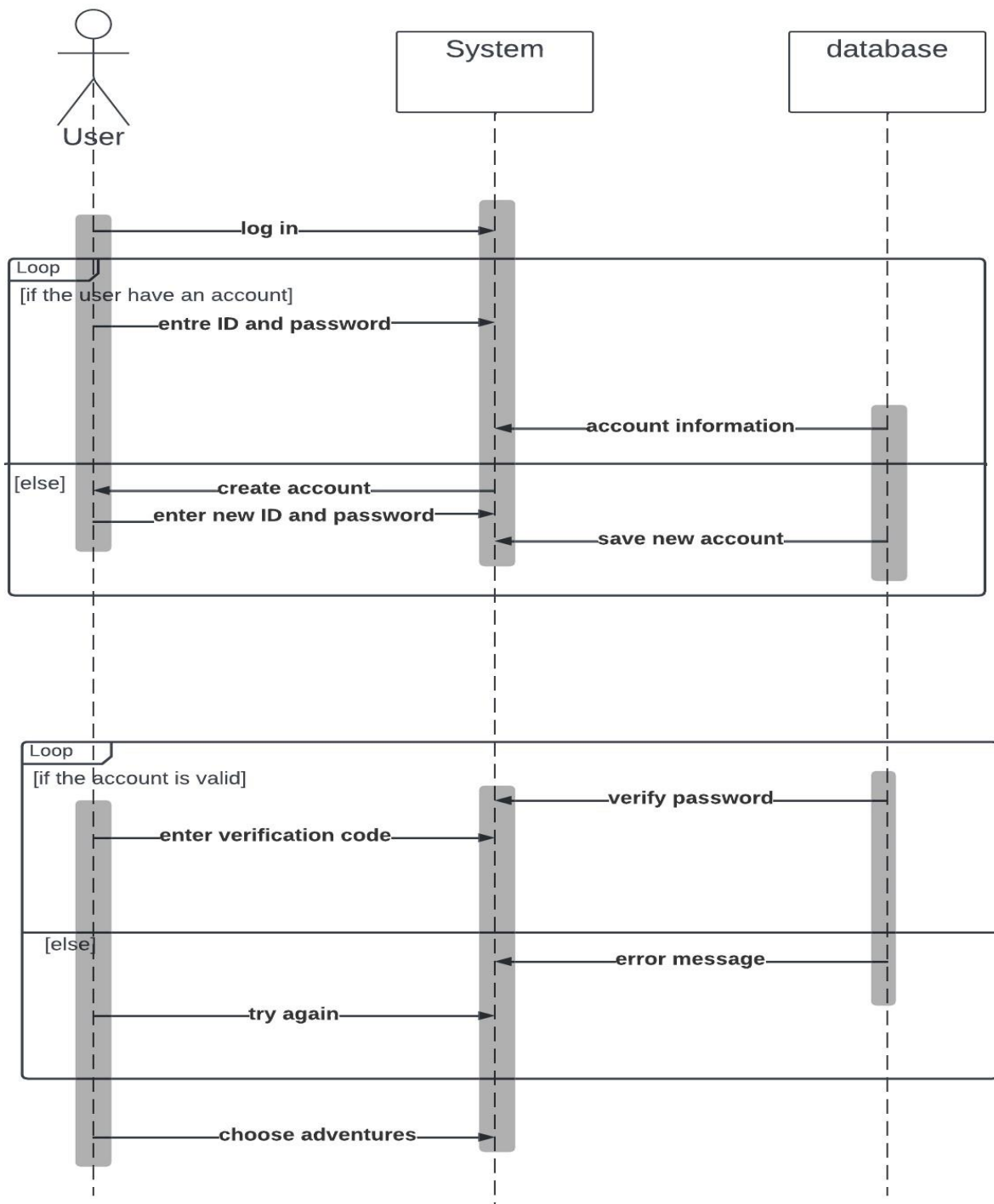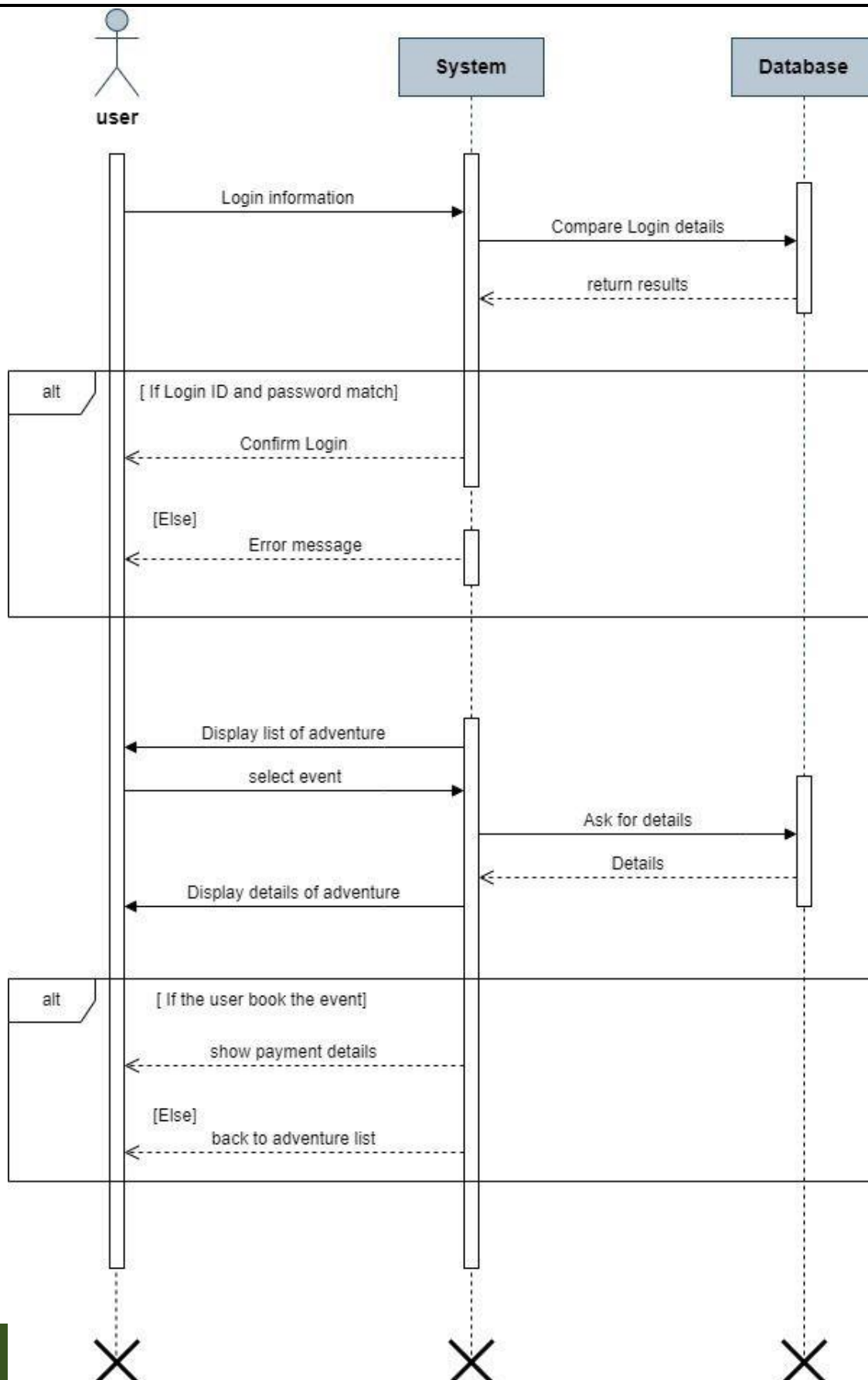
Use case diagram:

Class diagram:

payment

+ amount : float
+ conformationCode : String

+ choosePaymentMethod()
+ sendConformationCode()

1..*

pay

1

Account

- ID : int
+ firstName : String
+ lastName: String
+ Age : int
+ gender : String
+ Address : String
+ language : String
+ username : String
+ password : String

+ add()
+ create()
+ delete()
+validate()

ReservationDetails

+ reservationNumber : int
+ date : date
+ accountName : String
+ adventureName : String
+ totalPrice : float

+ editReservation()
+ cancelReservation()

1..*   modify   1

1..*   access   1..*

adventure

+ activitiesName : String
+ activitiesDate : int
+ activitiesPlace : string
+ activitiesPrice : float

+ showaActivitiesDetail()

1

book

*..1

Reservation

+ date : int
+ reservationID : int
+ location : String
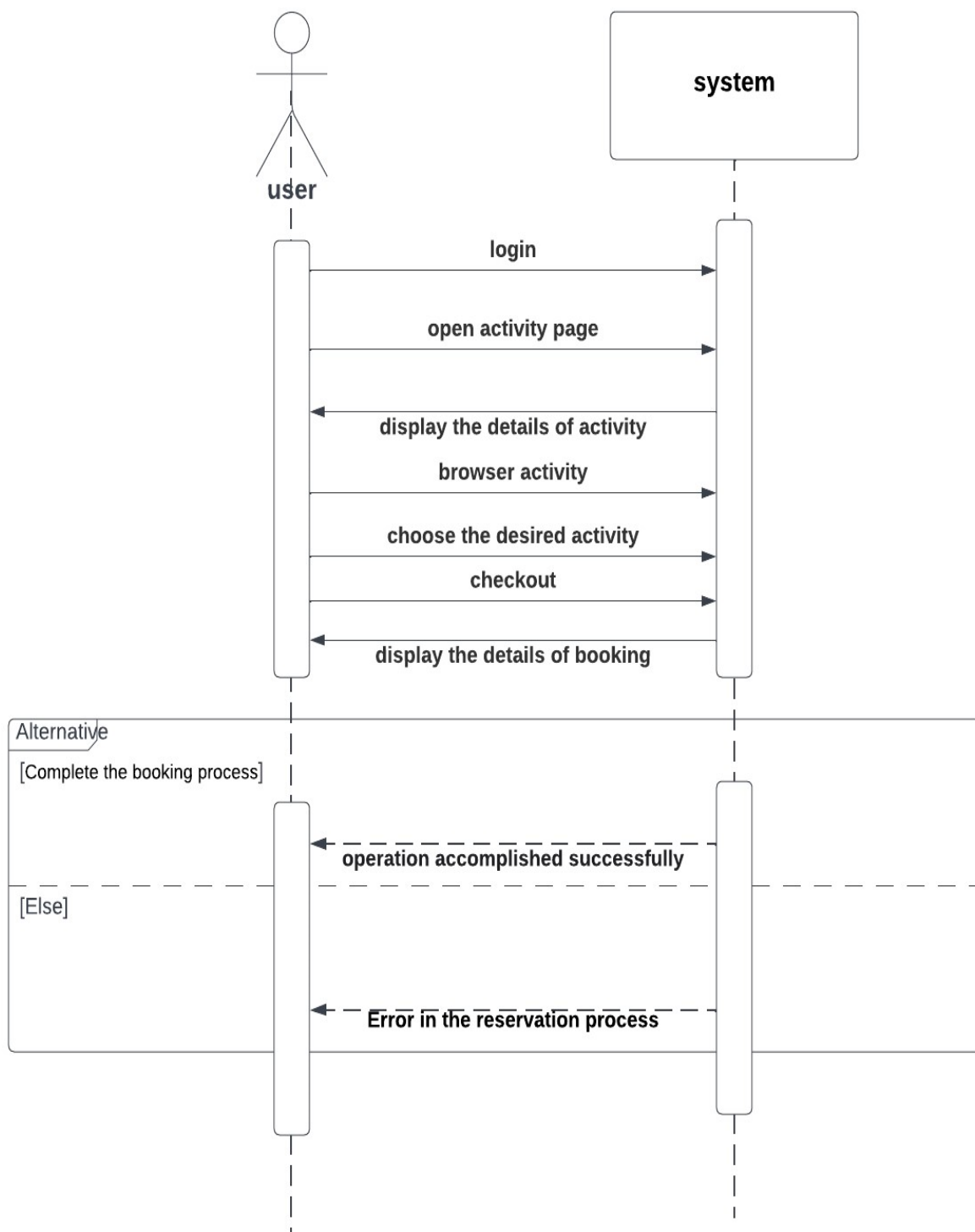+ name : String
+ Number : int

+ bookAdventure()

Sequence diagrams:

Sprint #0
Meeting 1

Follow-up meeting questions: [Ghaida]:
1.   What has been completed since the last meeting?
2.   What are you going to be working on next?
3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:

ANS1: we start of the begining of the project after the doctor approvied the idea of the project then we choose the design of the report. Also, we start with the introduction and the project description. problem defntion, Proposed Solutions, scope and the targted user

ANS2: in the next meeting we going to work on the requirements in both type functional and non functional requirements .also, we will work on the diagrams and discuss the intiall things

ANS3: We face a problem while determining the appropriate functional and non-functional requirements for the system

Sprint #0
Meeting 2

Follow-up meeting questions: [Ghaida]:
1.   What has been completed since the last meeting?
2.   What are you going to be working on next?
3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:
ANS1: we start to collect and write the functional and the non-functional requirements that have the high priority to our project and discuss the diagrams in general

ANS2: in the next meeting we will going to redefined the requirements in both type functional and non-functional requirements , based on the Dr comment. We have to selected the Story Backlog and start implementation with back-end

ANS3: Due to a defect in the requirements, it had an impact on the diagram, which took time, effort and high cost to modify

Sprint #1
Meeting 1

Follow-up meeting questions: [Ghaida]:

1.   What has been completed since the last meeting?

2.   What are you going to be working on next?

3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:

ANS1: We selected the Story Backlog and start implementation with back-end   (java code) , we are done of defining the requirements in a proprietary way. Edit on Trello

ANS2: we will do test cases for our implementation , We will work on the FR1 , FR2 , FR3 and the Sequence diagram for them

ANS3: we took a lot of time to maintain the error that occur in the code and take high cost and effort

Sprint #1
Meeting 2

Follow-up meeting questions: [Ghaida]:

1.   What has been completed since the last meeting?

2.   What are you going to be working on next?

3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:

ANS1: We done work for the FR1 , FR2 , FR3 and the Sequence diagram for them , we accomplished test cases and all the outcome was passed

ANS2: in the next sprint we will work on the FR4 , FR5 , FR9 and the Sequence diagram for them

ANS3: we face problem because we don't have more details about the system

Sprint #2
Meeting 1

Follow-up meeting questions: [Ghaida]:
1.   What has been completed since the last meeting?
2.   What are you going to be working on next?
3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:
ANS1: we worked on the FR4 , FR5 , FR9 and the Sequence diagram for them and the story backlog.

ANS2: the coding for the reqirements, complete the basics things like the report and the presentation and final things.and test cases.

ANS3: it is get harder to applauded as coding language we mean the requirements.

Sprint #2
Meeting 2

Follow-up meeting questions: [Ghaida]:
1.   What has been completed since the last meeting?
2.   What are you going to be working on next?
3.   Do you have any issues/impediments?

Scrum's Master comments based on the above questions:

ANS1: the coding for the requirements, we worked on the FR4 , FR5 , FR9.complete the basics things like the report and the presentation and final things and the testcases. Also, all the links needed

ANS2: complete the basics things like the report and the presentation and final things (it is the last sprint, so just rechecking and editing the things.)

ANS3: it is get harder to applauded as coding language we mean the requirements.

test case:

Test Case Name: [Create Account (Registration)]
Test Case ID: 01 [KSA Eyes-Create Account]

Test Case No.	Test Case Description	Expected Results	Outcome Pass/Fail/other(comments)
TC001	User taps on CREATE ACCOUNT button on main screen	The user should be taken to registration screen	Pass
TC002	User leaves all fields blank and tap on Create account button	The system should display an error message "Please Enter your username"	Pass
TC003	User enters only username and leave the other fields blank and tap on Create account button	The system should display an error message "Please Enter your Email"	Pass
TC004	User enters username and Email, and leave the other fields blank and tap on Create account button	The system should display an error message "Please Enter your Password"	Pass
TC005	User enters password that contain less then 8 characters	The system should display an error message "The Password must be more than 8 characters"	Pass
TC006	User enters not matching Passwords and tap on Create account button	The system should display an error message "Passwords doesn't match, try again"	Pass
TC007	User enters all field in a correct way and tap on create account button	The system should display an error message "THE ACCOUNT CREATED SUCCESSFULLY, you can log in now"	Pass

Test Case Name: [LOGIN]
Test Case ID: 02 [KSA Eyes-Login]

Test Case No.	Test Case Description	Expected Results	Outcome Pass/Fail/other(comments)
TC001	User taps on LOGIN button on main screen	The user should be taken to LOGIN screen	Pass
TC002	User leaves all fields blank and tap on LOGIN button	The system should display an error message "Please Enter your username"	Pass
TC003	User enters only username and tap on LOGIN button	The system should display an error message "Please Enter your Password"	Pass
TC004	User enters invalid username and password, and tap on LOGIN button	The system should display an error message "wrong username or password, please try again"	Pass
TC005	User enters a valid username and password, and tap on LOGIN button	The system should login to user account	Pass

Test Case Name: [Display Available Adventures]
Test Case ID: 03 [KSA Eyes- Display Available Adventures]

Test Case No.	Test Case Description	Expected Results	Outcome Pass/Fail/other(comments)
TC001	User login	The user should be taken Home screen [list of available adventures]	Pass
TC002	User chooses any adventure number	The system should display the adventure details	Pass
TC003	User chooses an unavailable number	The system should display an error message "there is no available adventure for this number, please choose available number from the list"	Pass

Test Case Name: [Book the activity]
Test Case ID: 03 [KSA Eyes Book the activity]

Test Case No.	Test Case Description	Expected Results	Outcome Pass/Fail/other r(comments)
TC001	User Choose a specific adventure to book	The user should be choose specific adventure from [list of available adventures]	Pass
TC002	User did not complete the adventure reservation	The system should display message error [Activity not booked.]	Pass
TC003	User did complete the adventure reservation	The system should display message [Activity booked!]	Pass
TC004	User choose a date not available	The system should display message error	Pass
TC005	User choose a date available	The system should complete booking process	Pass
TC006	The user shouldn't book more than 10 tickets	The system should display message error if the user booked more than 10 tickets	Pass

<mark>output of the functions needed :</mark>

Create success account :

```
Output - ksaeyes project (run) ×
run:
WELCOME in KSA EYES
*************************
1- Create Account                  2-Login
1
Enter Username:
KSAEYES
Enter Email:
KSAEYES.COM
Enter password (8 characters minimum):
KSA##123456
Verify password:
KSA##123456
Your account has been created.
WELCOME in KSA EYES
*************************
1- Create Account                  2-Login
|
```

Login :

```
Output - ksaeyes project (run)  ×
   WELCOME in KSA EYES
   **************************
   1- Create Account                2-Login
   2
   Enter username:
   KSAEYES
   Enter password:
   KSA##123456
   Successfully logged in.
   Choose an activity:
   1. City Tour
   2. Museum Visit
   3. Food Tasting
   4. Outdoor Adventure
   5. Hiking
   6. Camping
   7. Skydiving
   8. Sandboarding
   Enter activity number (or 0 to exit):
   1
   Take a guided tour of the city's most famous landmarks and attractions.
   Do you want to book this activity? (Y/N):
   Y

   Activity booked!
   Choose an activity:
   1. City Tour
   2. Museum Visit
   3. Food Tasting
   4. Outdoor Adventure
   5. Hiking
   6. Camping
   7. Skydiving
   8. Sandboarding
   Enter activity number (or 0 to exit):
   0
   BUILD SUCCESSFUL (total time: 3 minutes 54 seconds)
```

Write wrong password :

Output - نماذج (run) ×

```
1234##uu
Successfully logged in.
Choose an activity:
1. City Tour
2. Space Museum
3. Food Tasting
4. Outdoor Adventure
5. Hiking
6. Camping
7. Skydiving
8. Sandboarding
Enter activity number (or 0 to exit):
1
-Take a guided tour of the city's most famous landmarks and attractions.
-RIYADH
-Available from: 1-30 June 2023
-50.0SAR
Do you want to book this activity? (Y/N):
y
choose a date according to the dates above:
5
How many tickets would you like to book?[no more then ]
6
Name: ghdo
Email:
ghdo@gmail.com
Activity Name: City Tour
```

```
Output - (run) نماذج ×

5
How many tickets would you like to book?[no more then ]
6
Name: ghdo
Email:
ghdo@gmail.com
Activity Name: City Tour
-Take a guided tour of the city's most famous landmarks and attractions.
-RIYADH
-Available from: 1-30 June 2023
Day: 5
Number of Tickets:6 Tickets
Price: 300.0SAR

Activity booked!
Choose an activity:
1. City Tour
2. Space Museum
3. Food Tasting
4. Outdoor Adventure
5. Hiking
6. Camping
7. Skydiving
8. Sandboarding
Enter activity number (or 0 to exit):
```

```
Output - نماذج (run) ×
  Activity booked!
  Choose an activity:
  1. City Tour
  2. Space Museum
  3. Food Tasting
  4. Outdoor Adventure
  5. Hiking
  6. Camping
  7. Skydiving
  8. Sandboarding
  Enter activity number (or 0 to exit):
  8
  -Ride a board down sand dunes and experience the thrill of surfing the desert.
  -RIYADH
  -Available from: 4-27 January
  -100.0SAR
  Do you want to book this activity? (Y/N):
  y
  choose a date according to the dates above:
  7
  How many tickets would you like to book?[no more then ]
  12
  you can't book more than 10 tickets
  How many tickts you want to book?
  13
  you can't book more than 10 tickets
```

```
you can't book more than 10 tickets
How many tickts you want to book?
1
Name: ghdo
Email:
ghdo@gmail.com
Activity Name: Sandboarding
-Ride a board down sand dunes and experience the thrill of surfing the desert.
-RIYADH
-Available from: 4-27 January
Day: 7
Number of Tickets:1 Tickets
Price: 100.0SAR

Activity booked!
Choose an activity:
1. City Tour
2. Space Museum
3. Food Tasting
```

```
Price: 100.0SAR

Activity booked!
Choose an activity:
1. City Tour
2. Space Museum
3. Food Tasting
4. Outdoor Adventure
5. Hiking
6. Camping
7. Skydiving
8. Sandboarding
Enter activity number (or 0 to exit):
0
BUILD SUCCESSFUL (total time: 3 minutes 24 seconds)
```
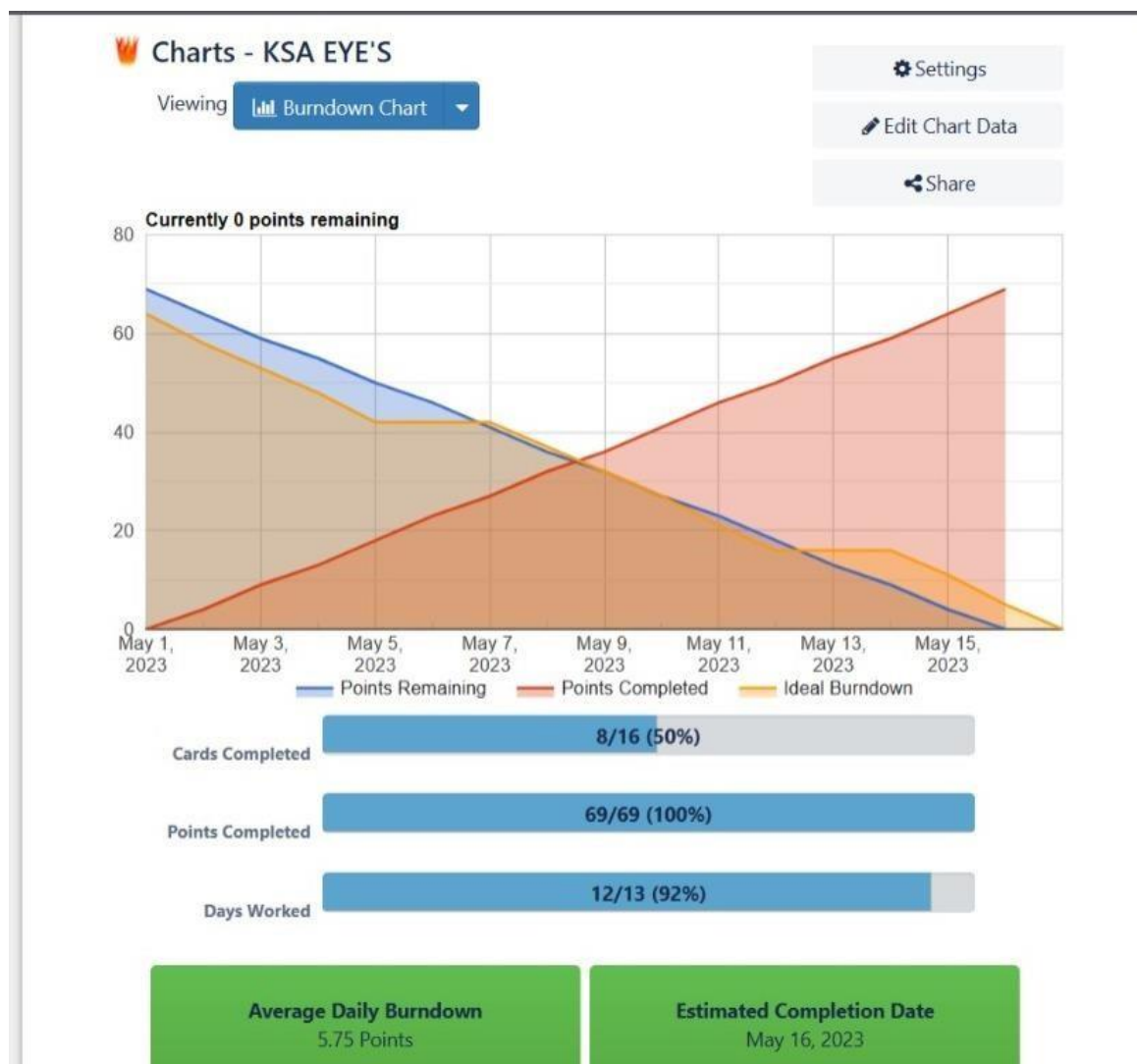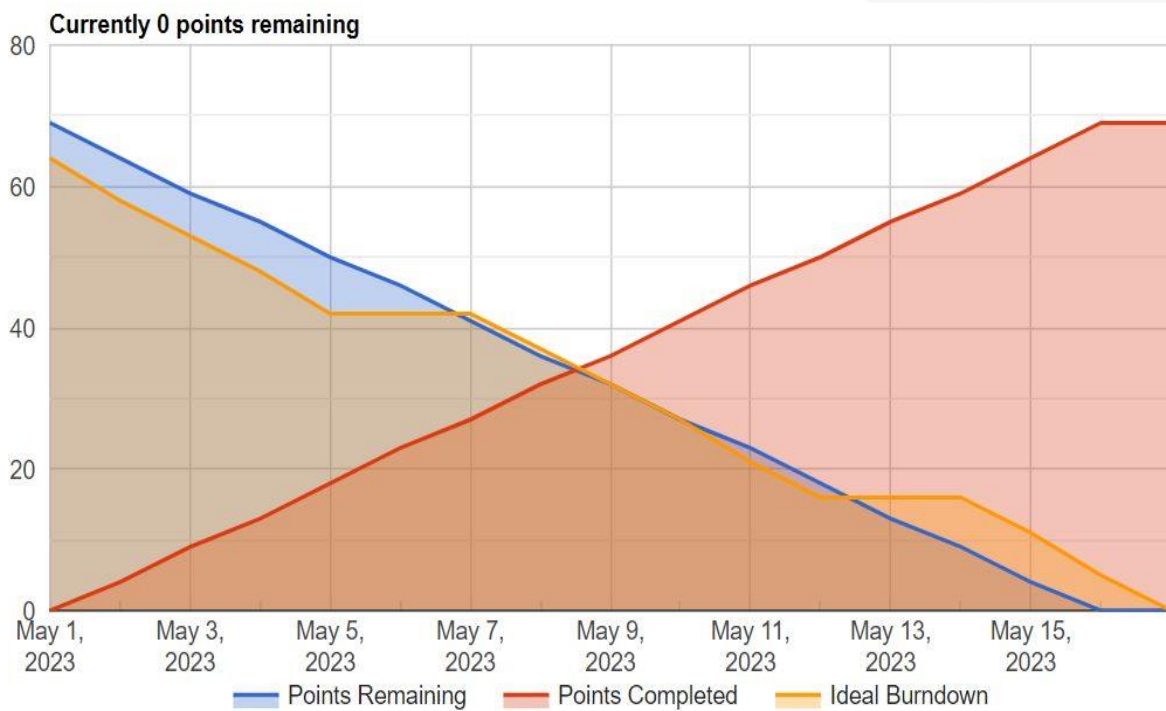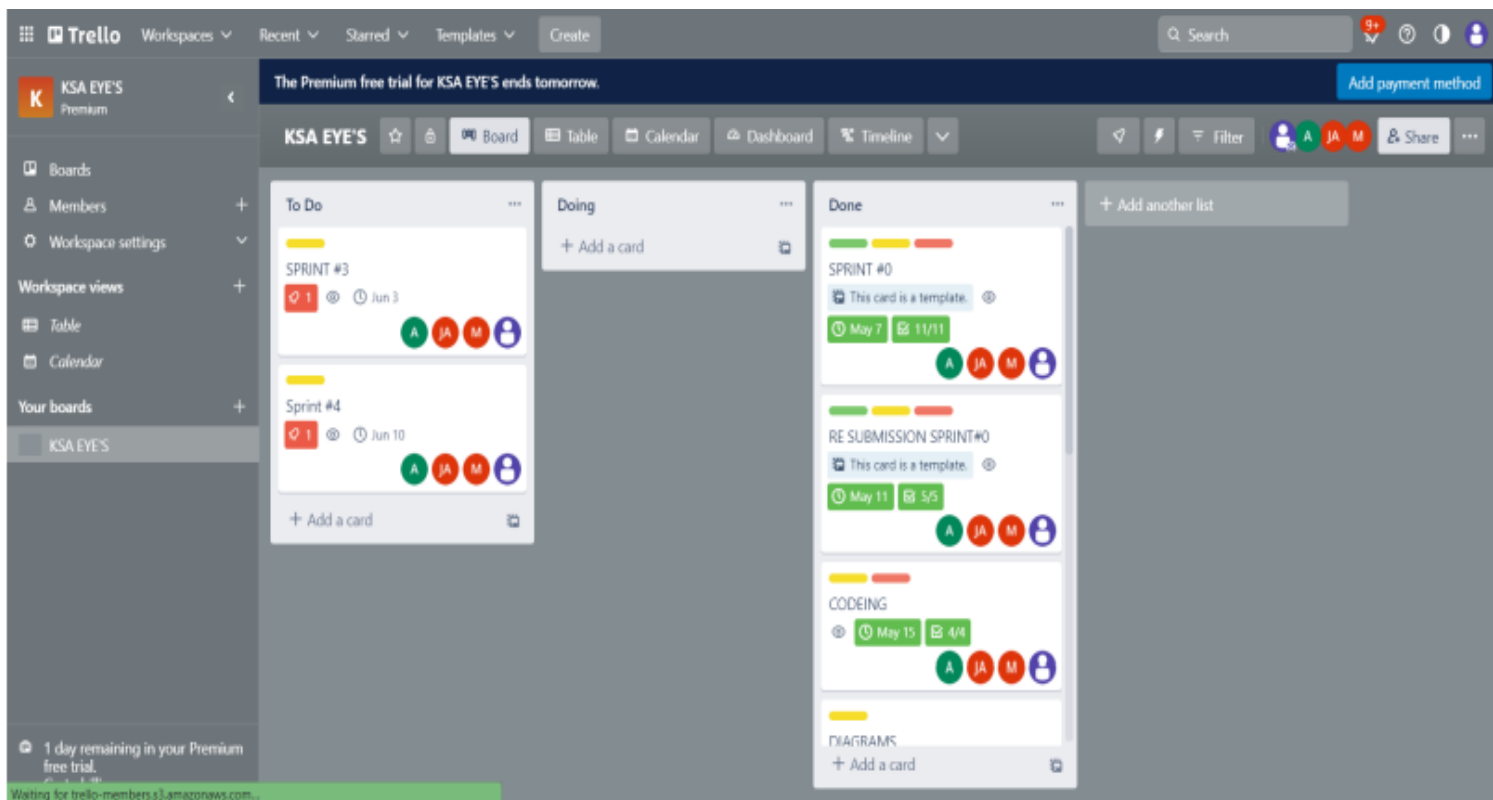
Down chart:

Currently 0 points remaining

Legend: Points Remaining — Points Completed — Ideal Burndown

Cards Completed: 15/17 (88%)

Points Completed: 69/69 (100%)

Days Worked: 13/13 (100%)

University of Jeddah

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Pictures from Trello:

Pictures from figma:

GitHub link:

https://github.com/Ghaida23/KSAEYES.git

Trello link:

https://trello.com/invite/b/tSFboRQw/ATTI4121ff4159192e9724c71ff93beca8cfC78475C3/ks a-eyes

Figma link:

https://www.figma.com/proto/qb4B6csl3KwazqSTcyqd6G/KSAEYE?type=design&node-id=1-2&scaling=scale-down&page-id=0%3A1&starting-point-node-id=58%3A6&show-proto-sidebar=1