



King Fahd University of Petroleum and Minerals
College of Computer Science and Engineering
Information and Computer Science Department
SWE 363 – 191

Project Title: KFUPM E-Activities Web Application

Team 13

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Phase 01 Report

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1. Project Purpose

The primary goal of this document is to define and describe the functions and specifications of the KFUPM e-activities web app to help the developer team to not deviate from the requirements by documenting them professionally and providing guidance and reference for the upcoming phases. This Document clearly illustrates user requirements, use case diagrams, activity models, class models, database models, navigation models, presentation models, and user interface.

A second goal for the document, is to help making a contract with the customer that includes system requirements that are professionally documented. To make things clear to the customer, so he can either accepts or declines the software project.

2. Project Goal

The objective of this project is to design a KFUPM e-activities web app for KFUPM. The system shall provide a platform that unify and present all the extracurricular activities that are ongoing in KFUPM. This will provide the students with a one stop shop website where they can check and participate in all activities that are taking place in KFUPM, thus saving them time and the hassle of keeping up with every activity organizer on his own.

3. Product Features

1. Anonymous user

- 1.1. The anonymous user shall be able to register in the system.
- 1.2. The anonymous user shall be able to sign into the system.
- 1.3. The anonymous user shall be able to browse activities.
- 1.4. The anonymous user shall be able to search for particular activities.

2. Registered user

- 2.1. The registered user shall be able to update his profile.
- 2.2. The registered user may be able to view his notifications.
- 2.3. The registered user shall be able to browse activities.
- 2.4. The registered user shall be able to search for particular activities.
- 2.5. The registered user shall be able to request activity participation.

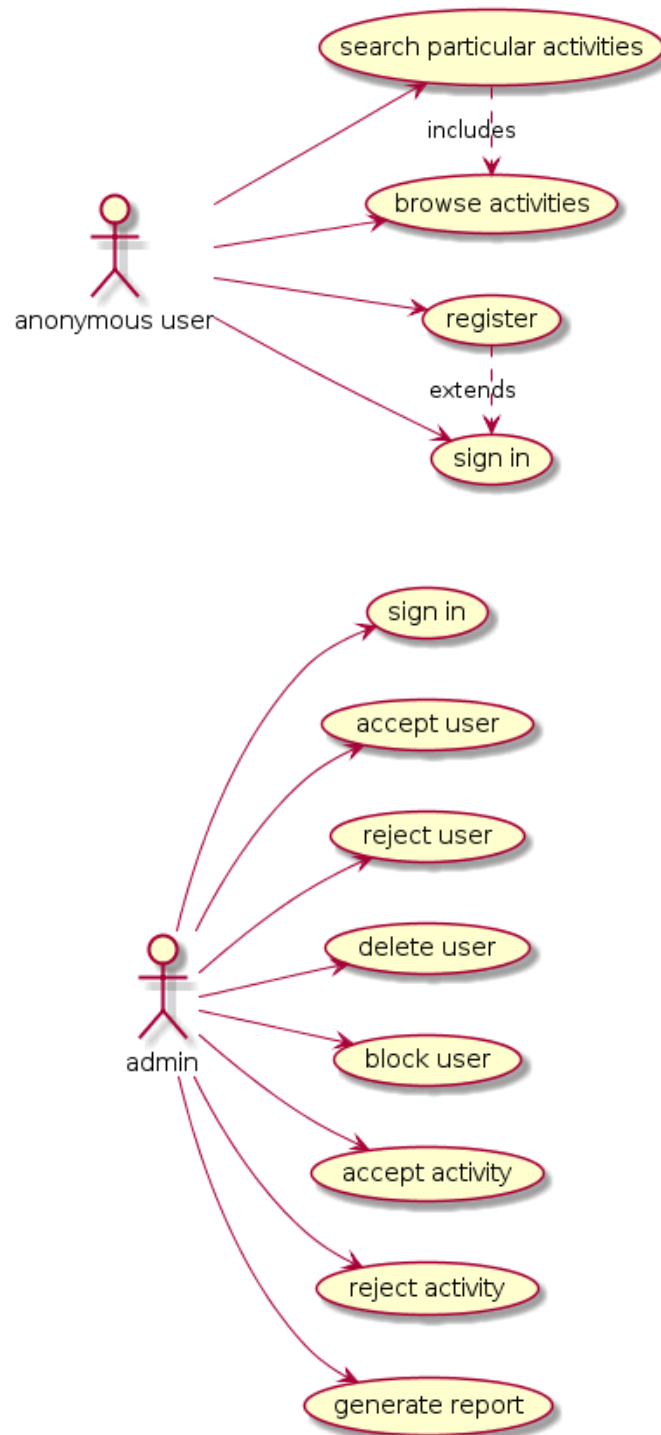
- 2.6. The registered user shall be able to view his own participation request activities.
- 2.7. The registered user shall be able to edit his own participation request activities.
- 2.8. The registered user shall be able to cancel his own participation request activities.
- 2.9. The registered user shall be able to offer an activity.
- 2.10. The registered user shall be able edit an activity.
- 2.11. The registered user shall be able end an activity.
- 2.12. The registered user shall be able view incoming participation requests.
- 2.13. The registered user shall be able accept incoming participation requests.
- 2.14. The registered user shall be able reject incoming participation requests.
- 2.15. The registered user shall be able to send a feedback.
- 2.16. The registered user may be able to reply to a comment.

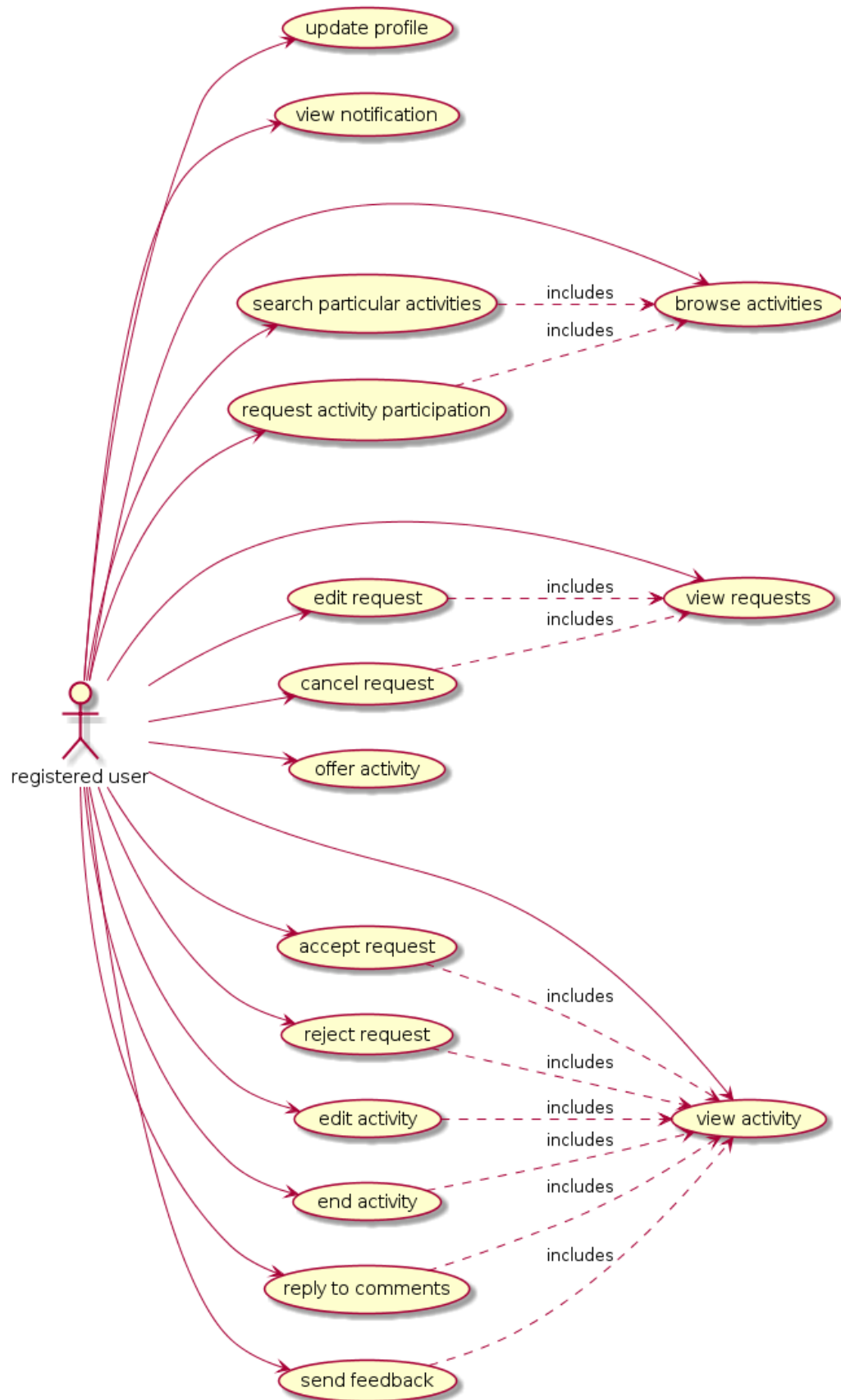
3. Admin

- 3.1. The admin shall be able to sign in.
- 3.2. The admin shall be able to accept user registration.
- 3.3. The admin shall be able to reject user registration.
- 3.4. The admin shall be able to delete a user.
- 3.5. The admin shall be able to block a user.
- 3.6. The admin shall be able to accept an activity offer.
- 3.7. The admin shall be able to reject an activity offer.
- 3.8. The admin shall be able to generate a report.

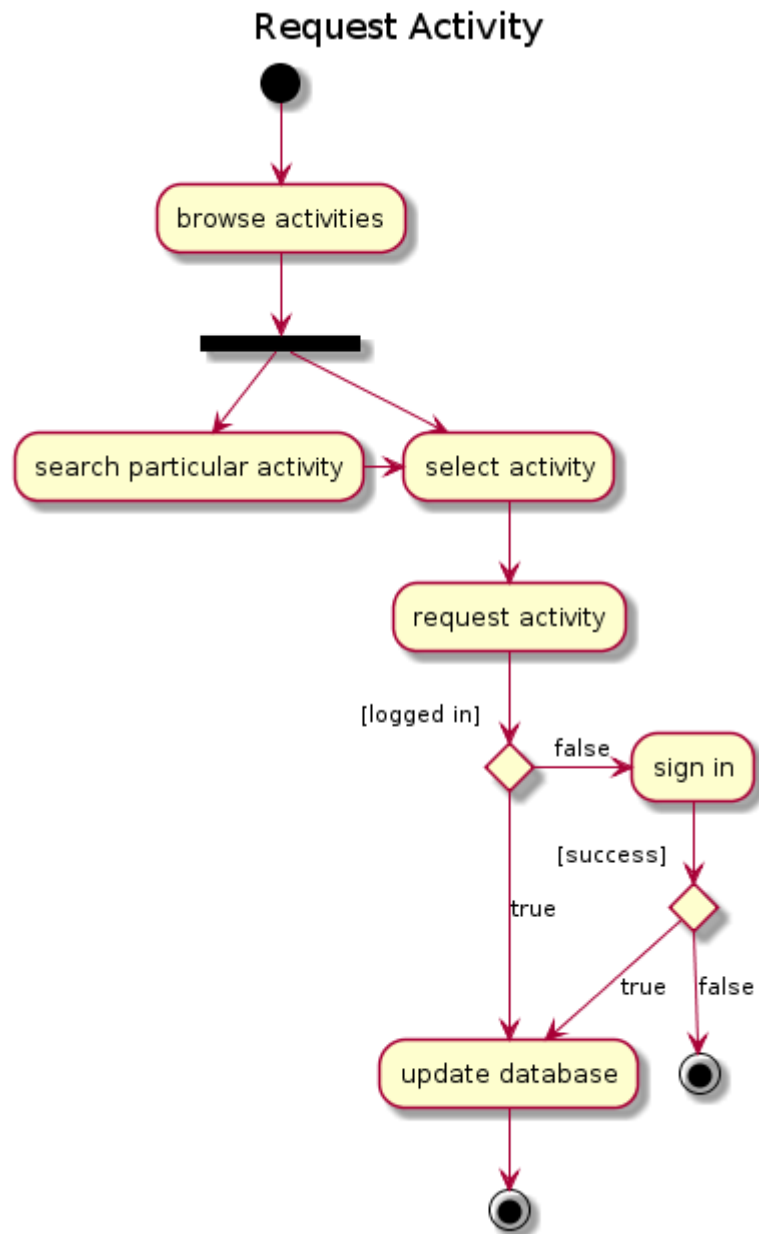
4. Models

4.1. Use Case Diagram

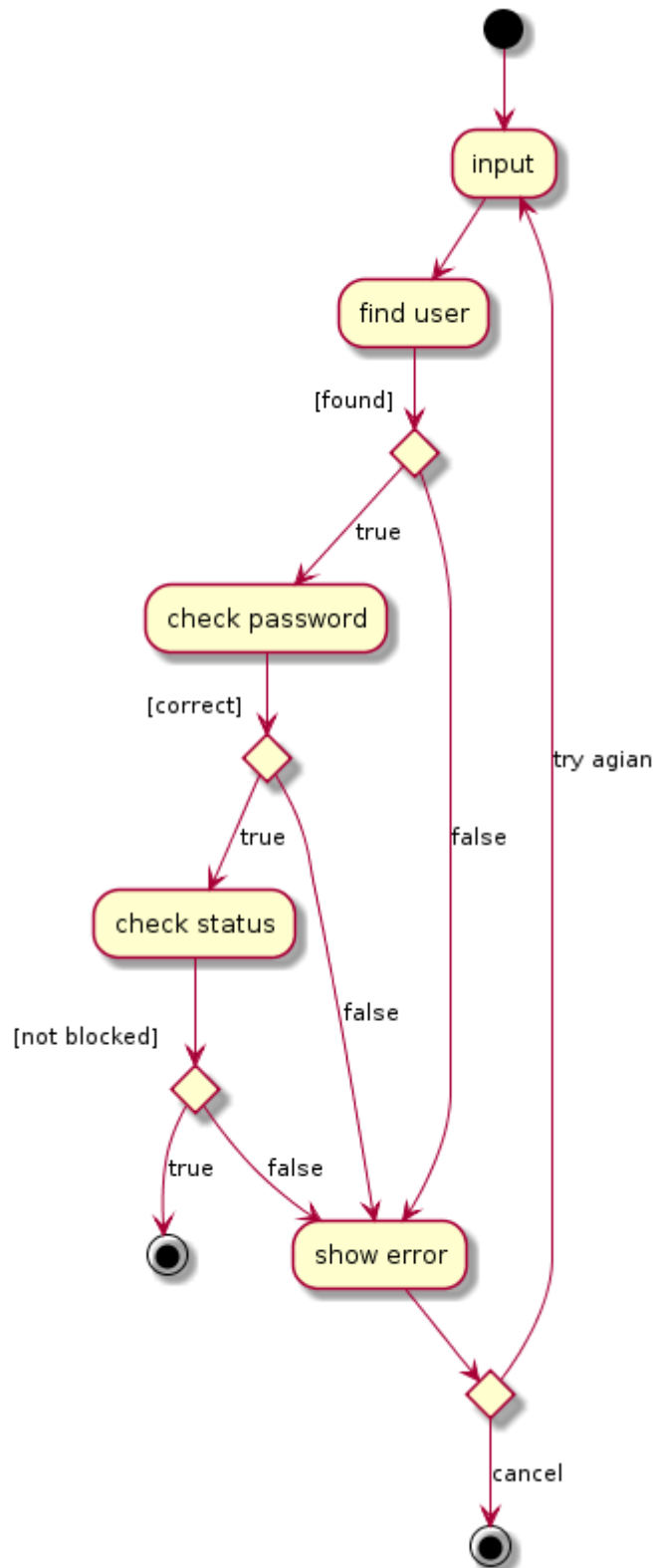




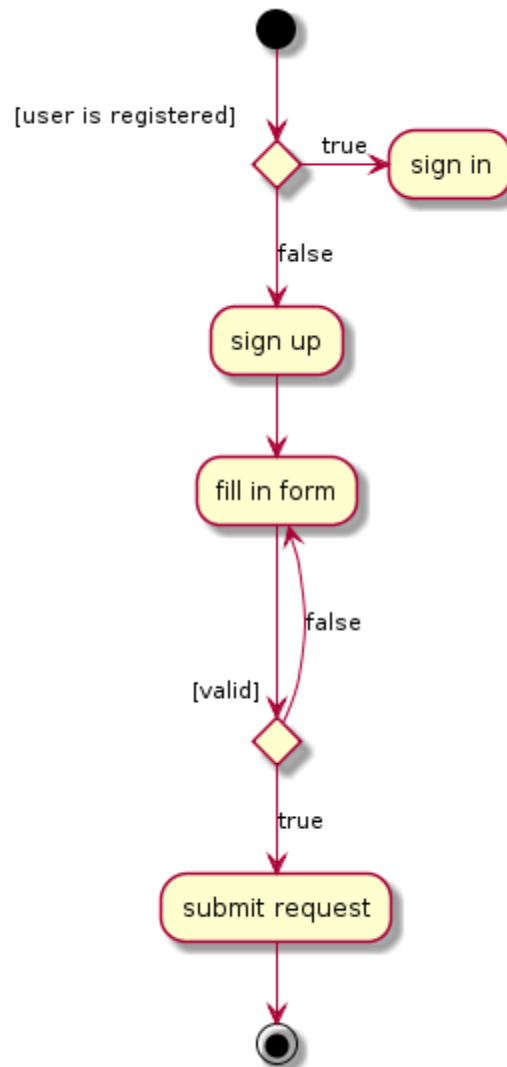
4.2. Activity Diagram



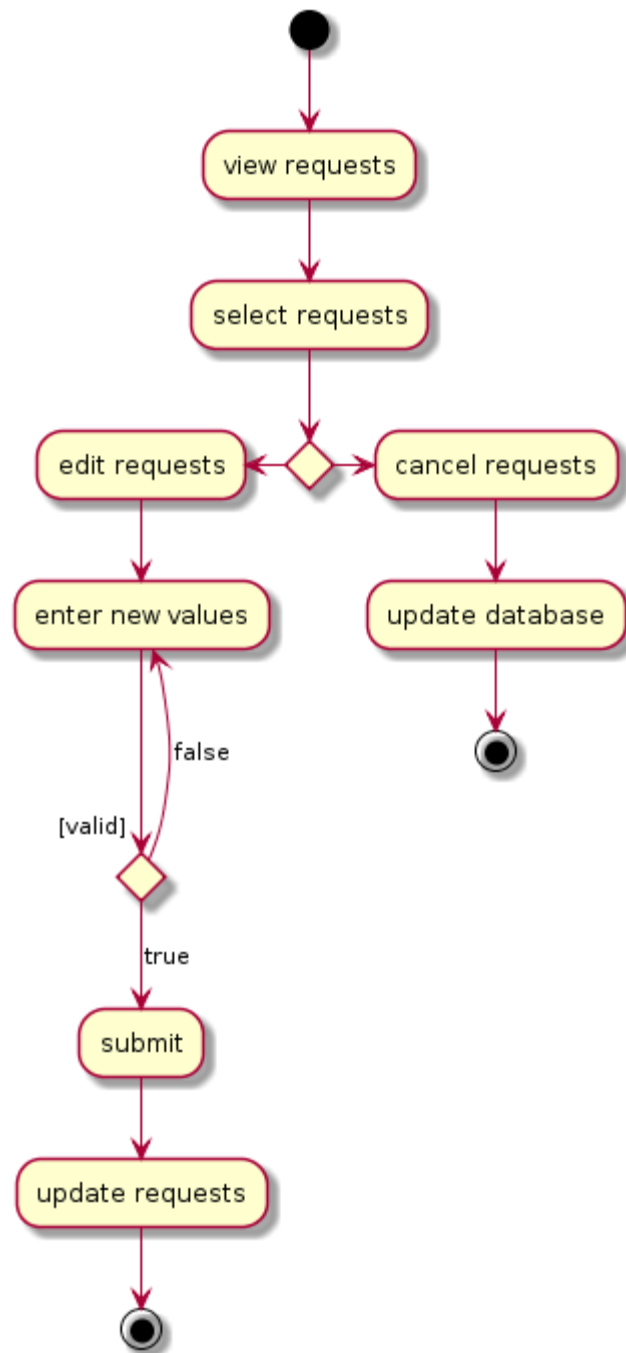
Sign In



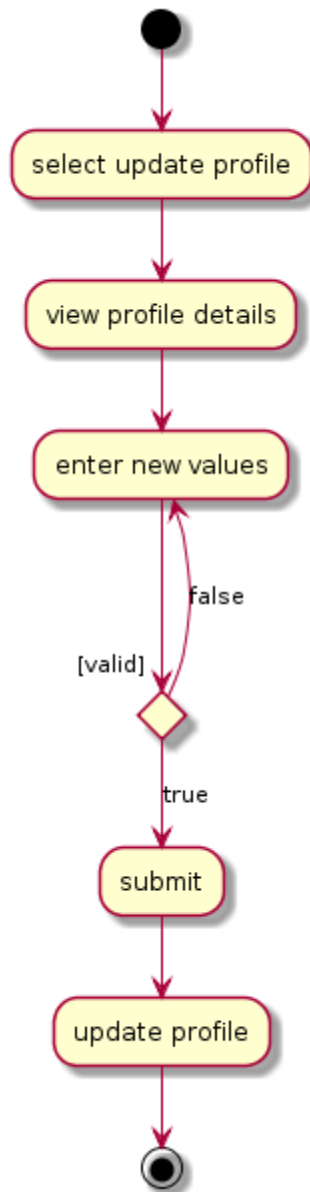
Anonymous User Registration



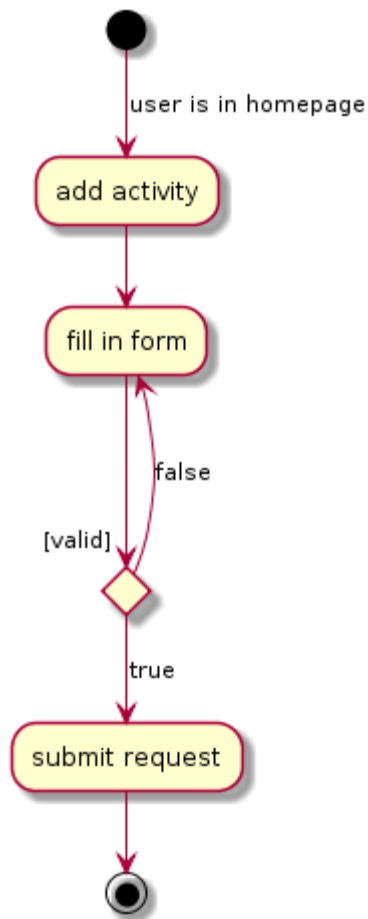
Edit/Cancel Request



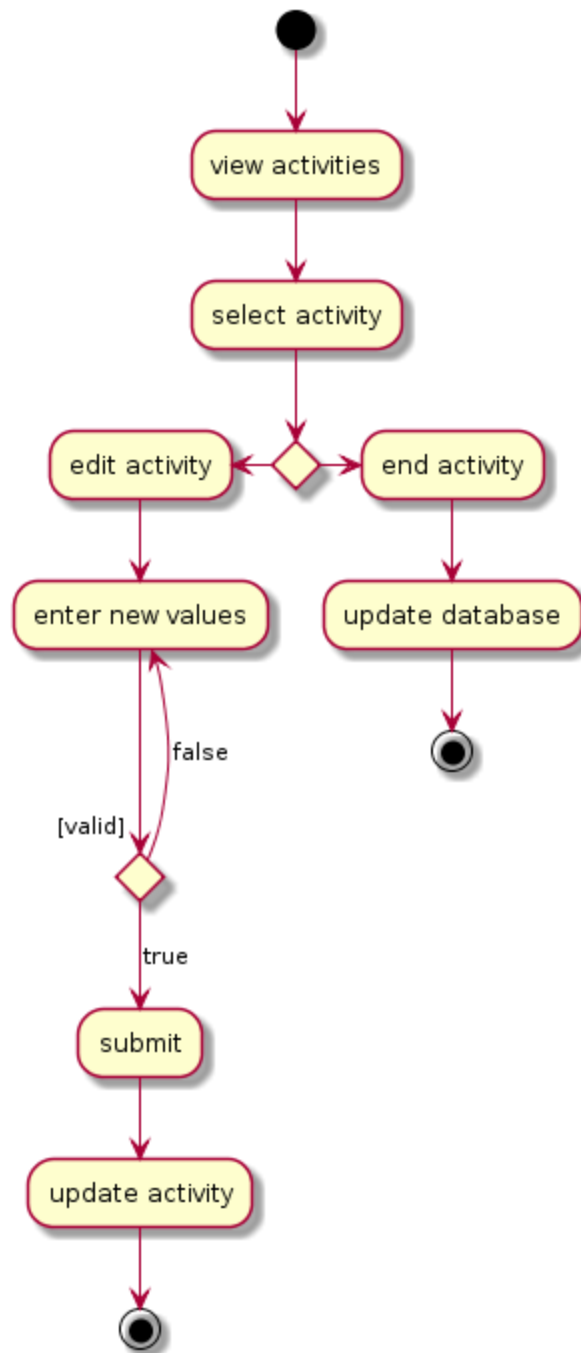
Update Profile



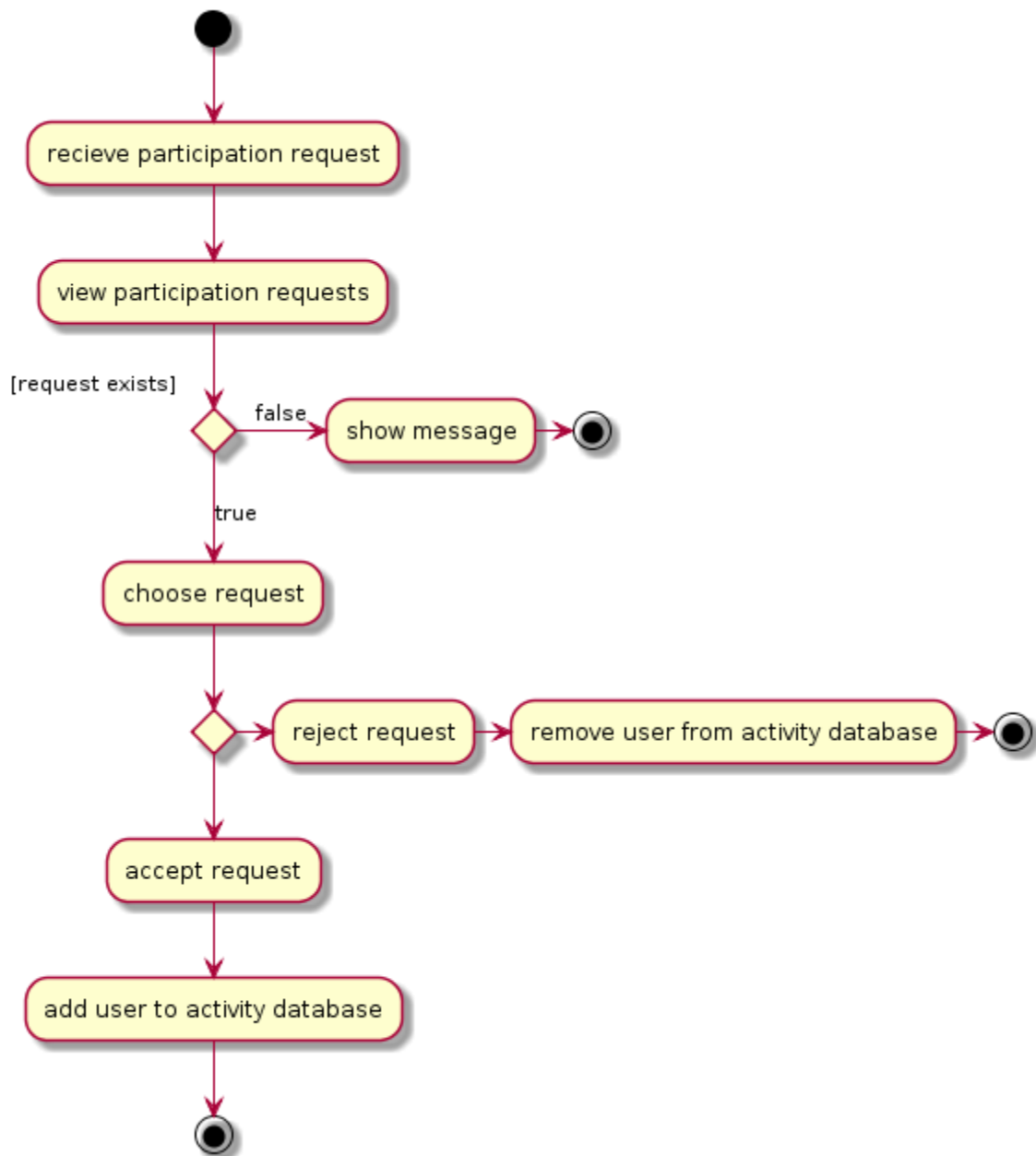
Offer Activity



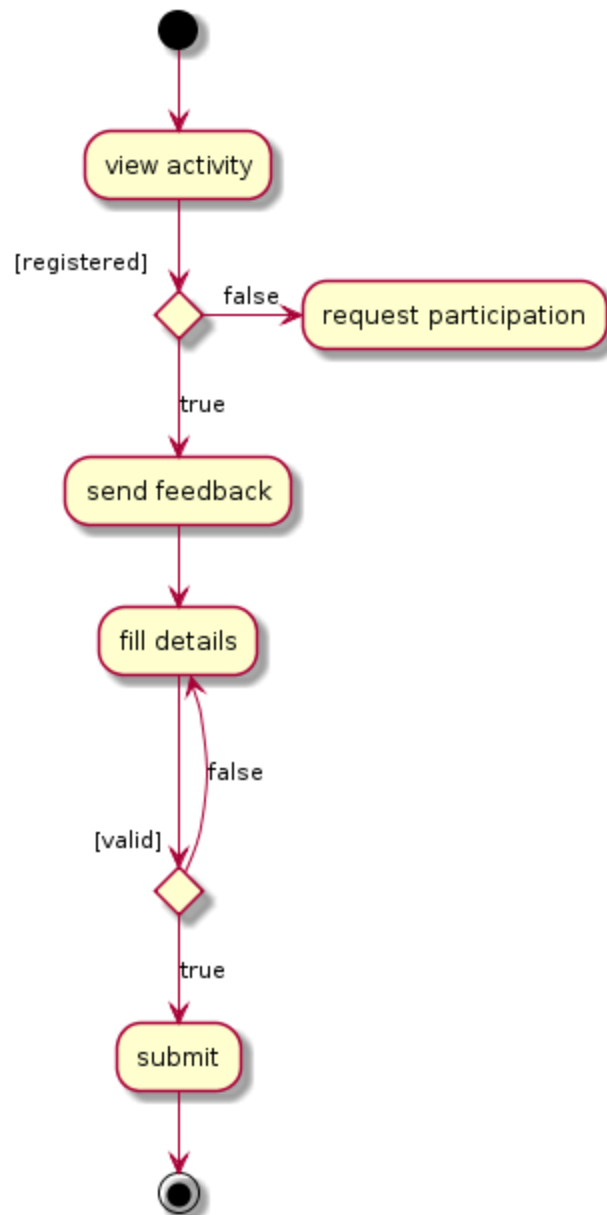
Edit/End Activity



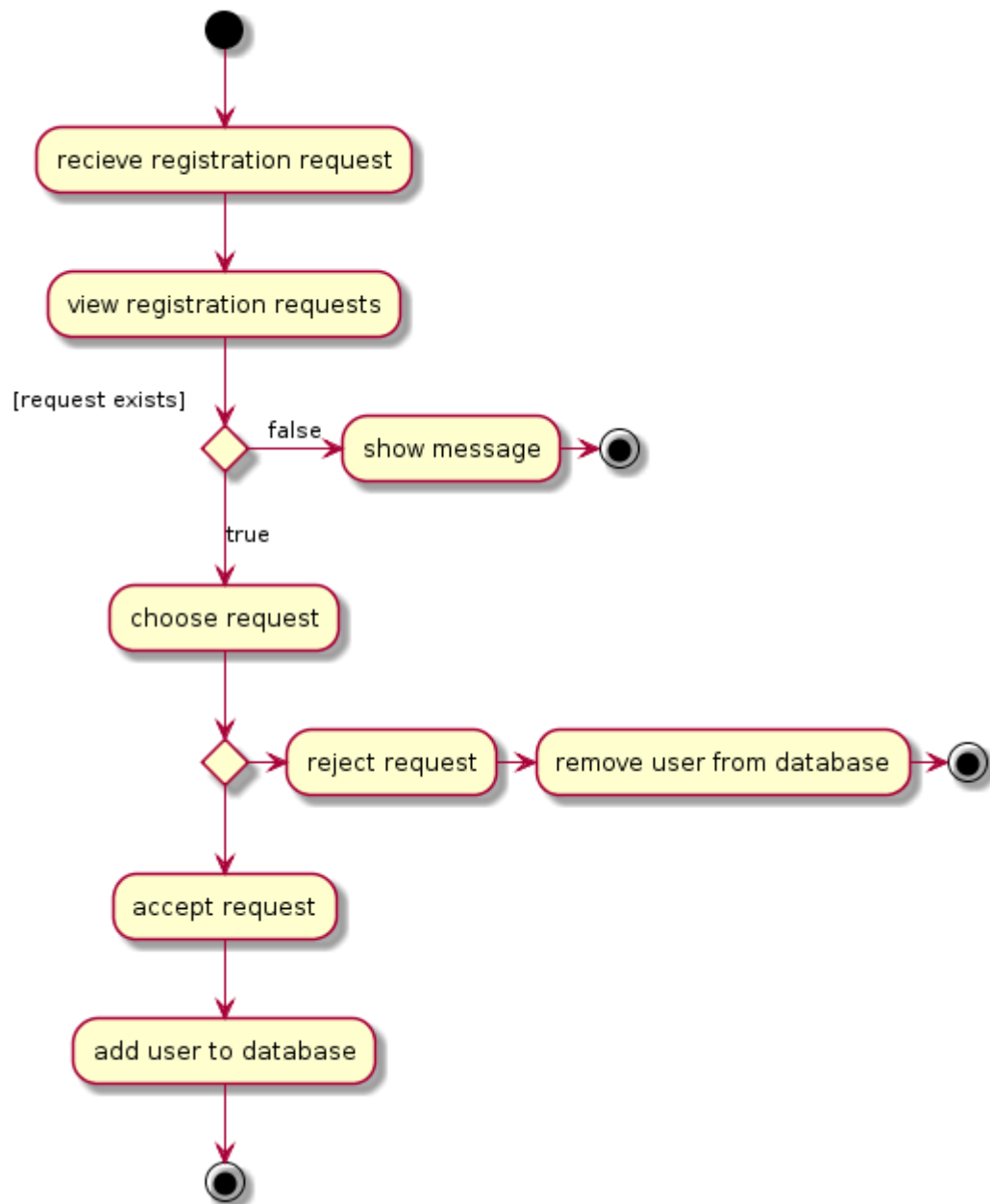
Accept/Reject Participation Request



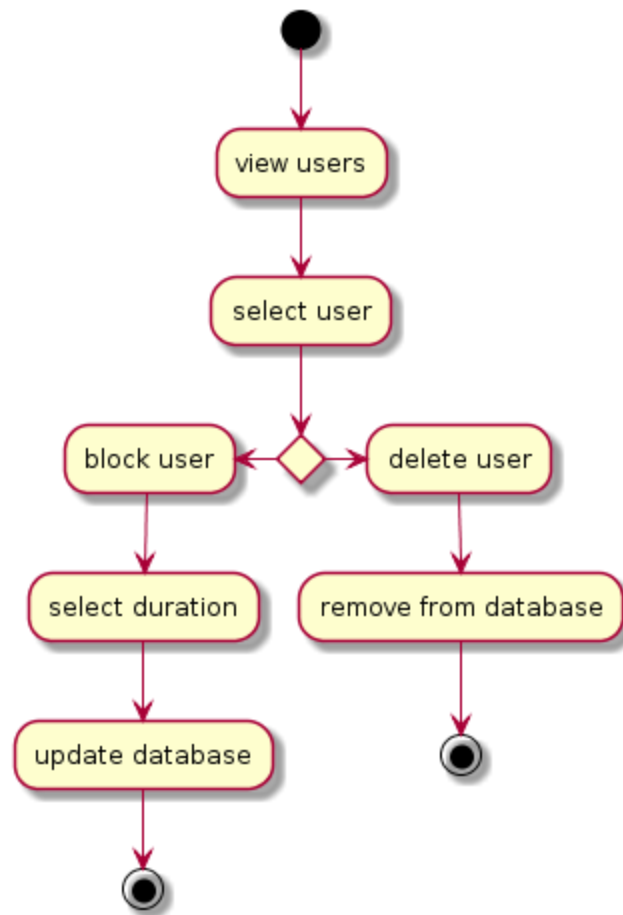
Send Feedback



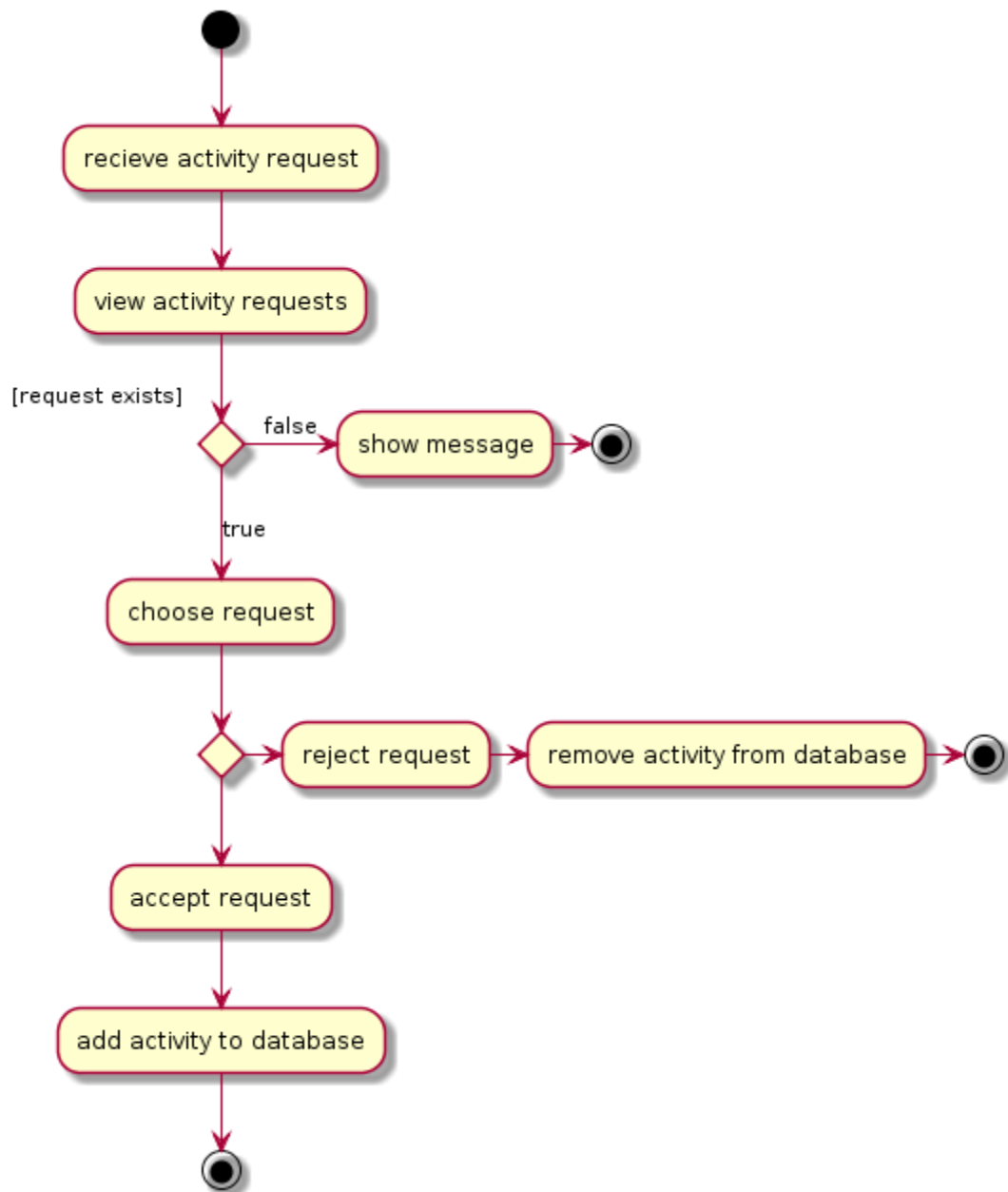
Accept/Reject Registration Request



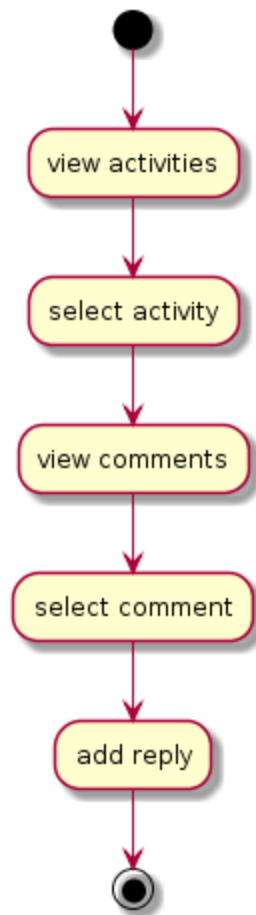
Block/Delete User



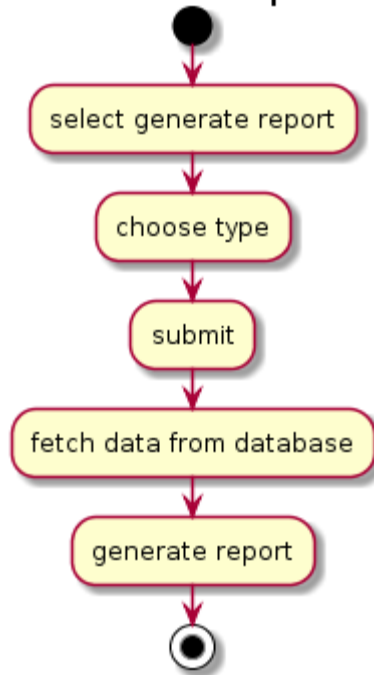
Accept/Reject Activity Request



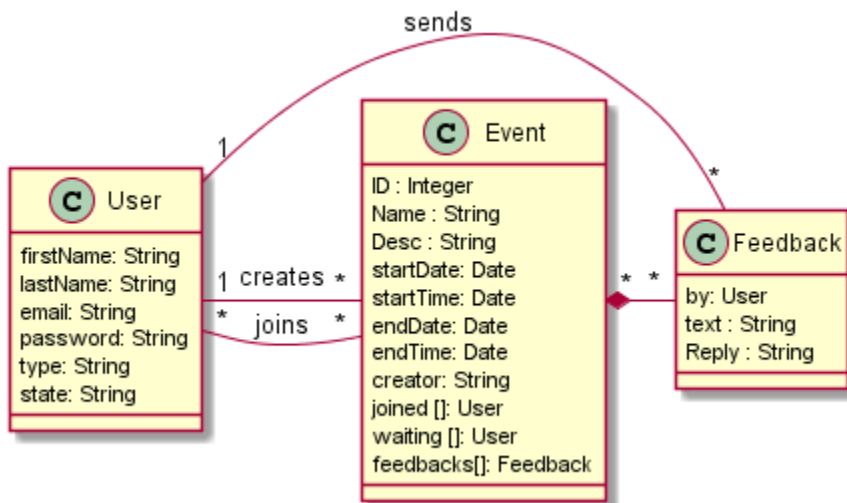
Reply To Comments



Generate Report



4.3. Class Diagram

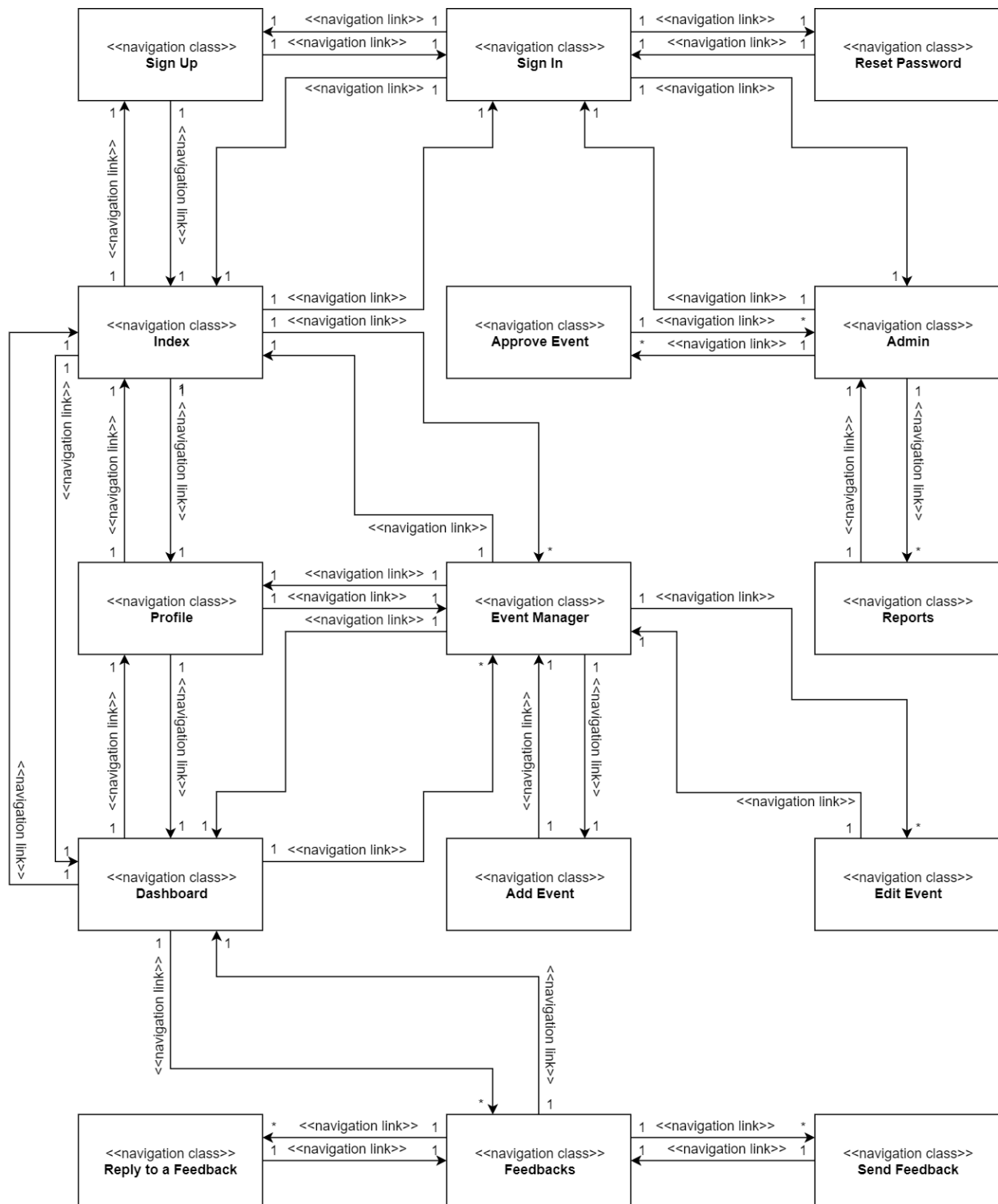


4.4. Database Diagram

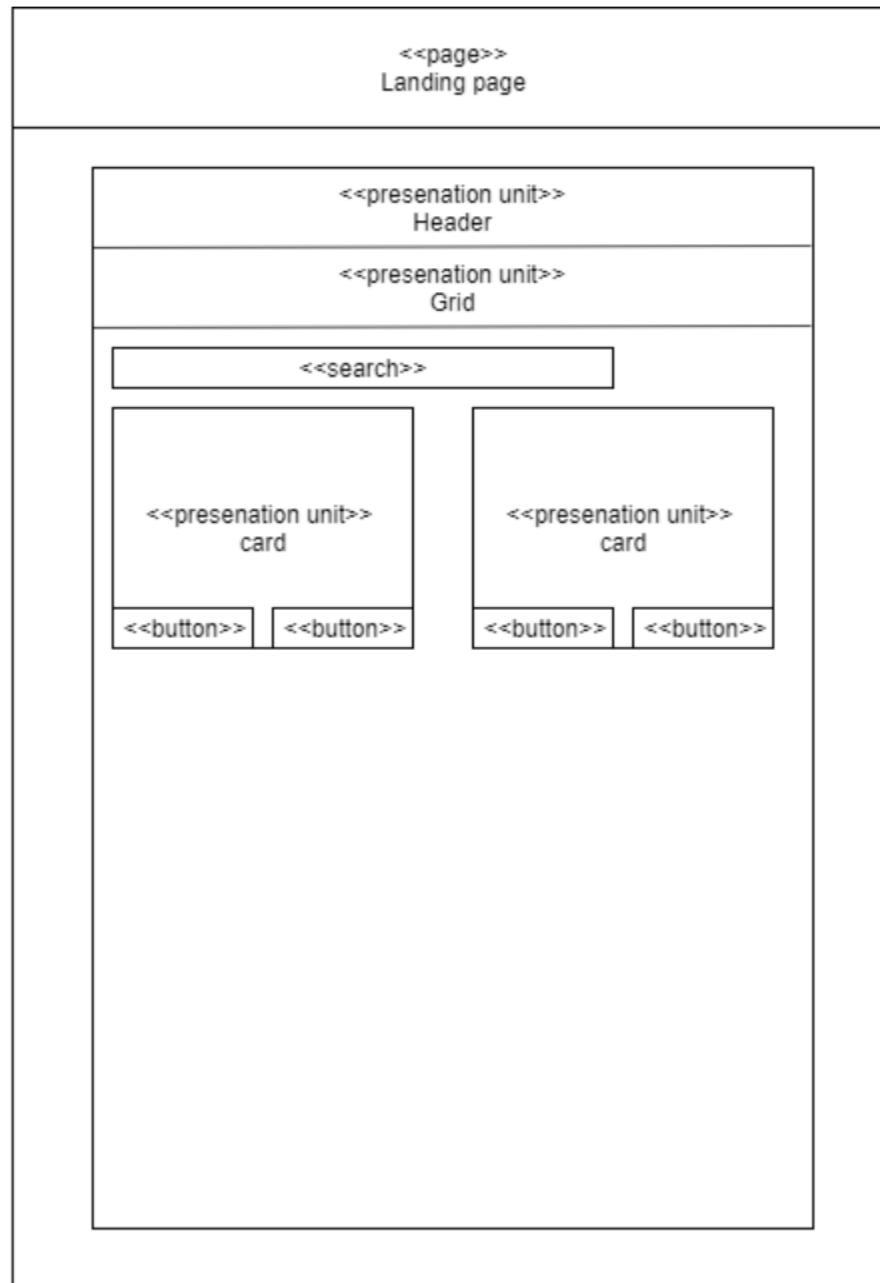
```
ROOT
  USERS (collection)
    user_id (document)
    firstName: ""
    lastName: ""
    email: ""
    password: ""
    type: ""
    state: ""

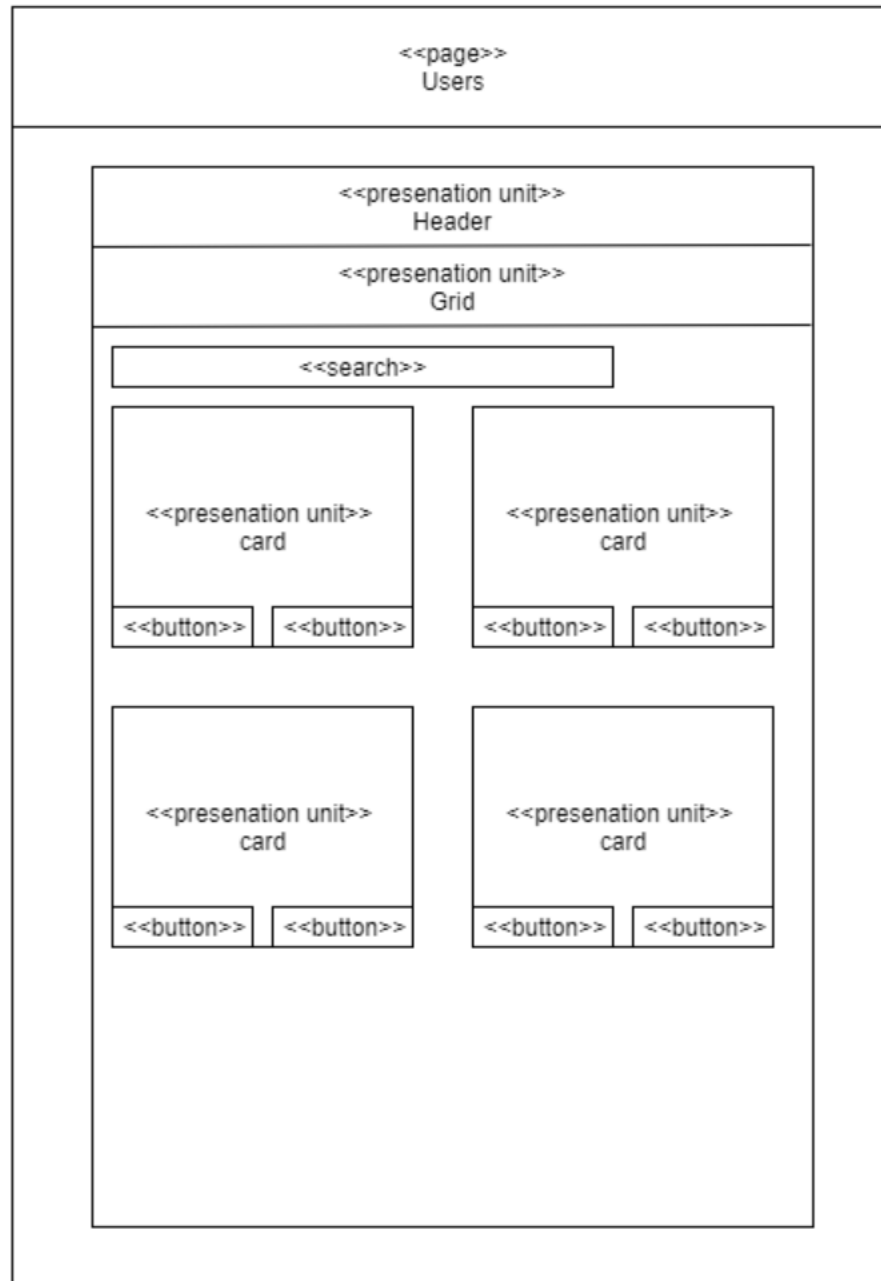
  EVENTS (collection)
    event_id (document)
    id: "#"
    name: ""
    desc: ""
    startDate: "Date"
    startTime: "Date"
    endDate: "Date"
    endTime: "Date"
    creator: "Date"
    joined: [user_id],
    waiting: [user_id],
    feedbacks: [
      {
        by: User
        text : String
        Reply : String
      }
    ]
```

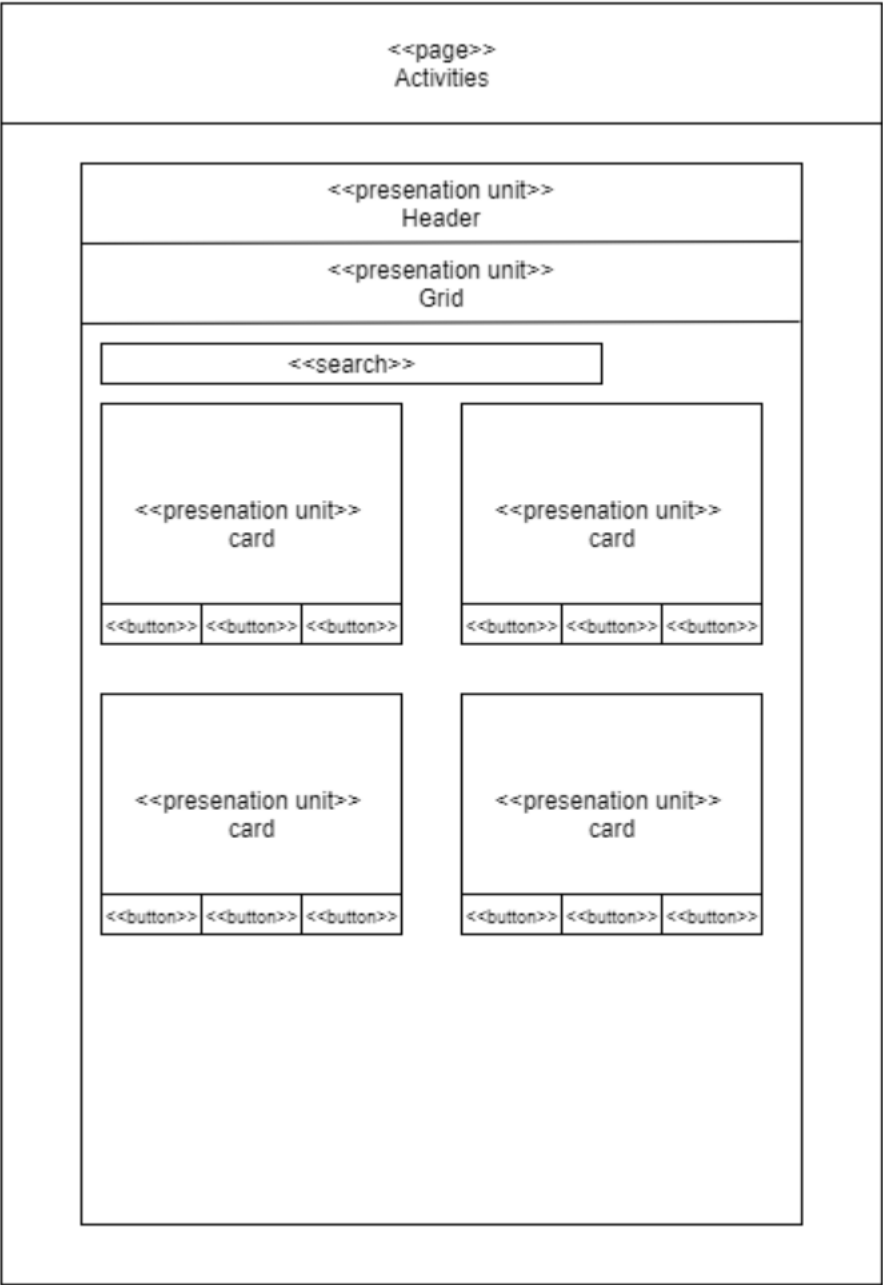
4.5. Navigation Diagram

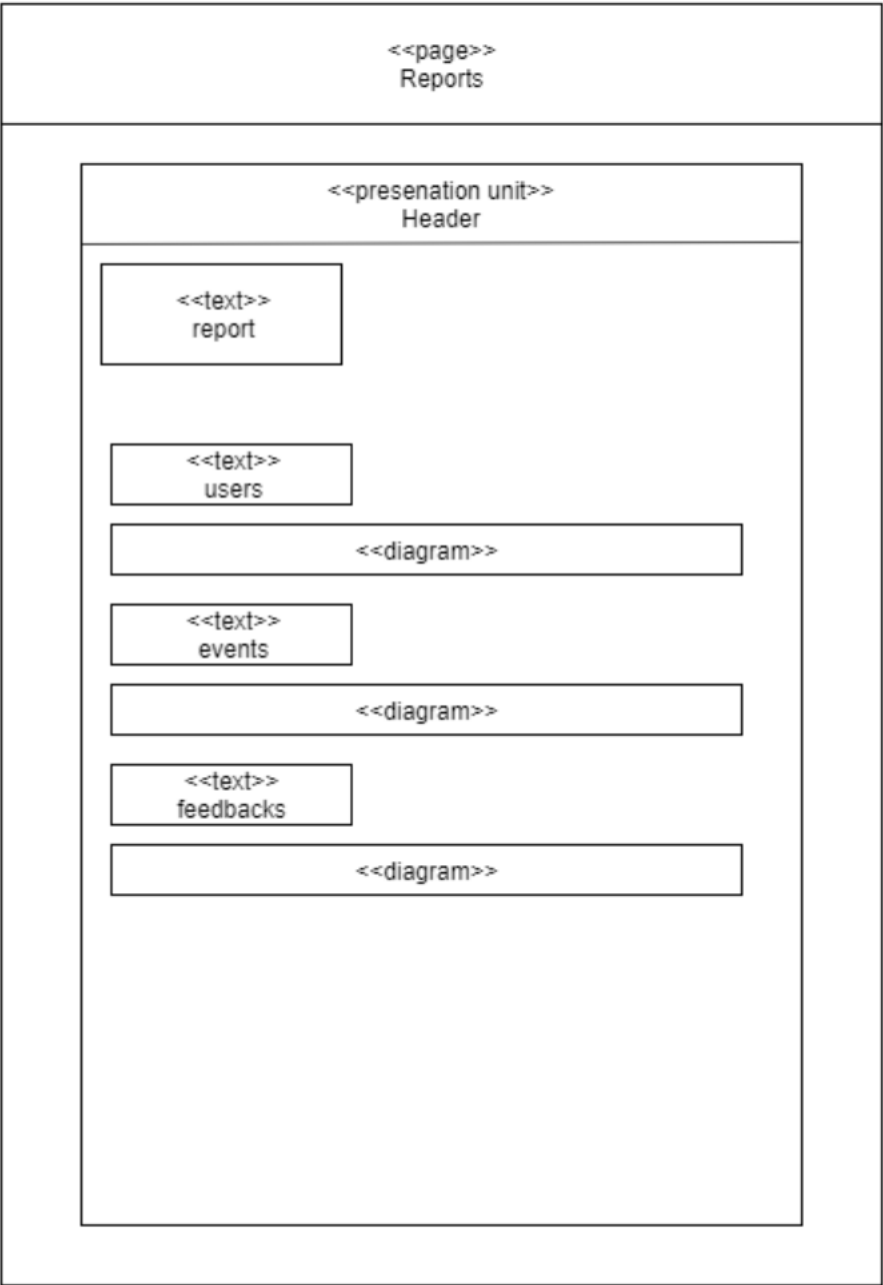


4.6. Presentation Diagram









<<page>>
New Event

<<presenation unit>>
Header

<<presenation unit>>
Grid

<<text>>
new event

<<text input>>

<<text input>>

<<date input>>

<<dateinput>>

<<dateinput>>

<<dateinput>>

<<button>>

<<button>>

Page 26

<<page>>
Edit Event

<<presenation unit>>
Header

<<presenation unit>>
Grid

<<text>>
new event

<<text input>>

<<text input>>

<<date input>>

<<dateinput>>

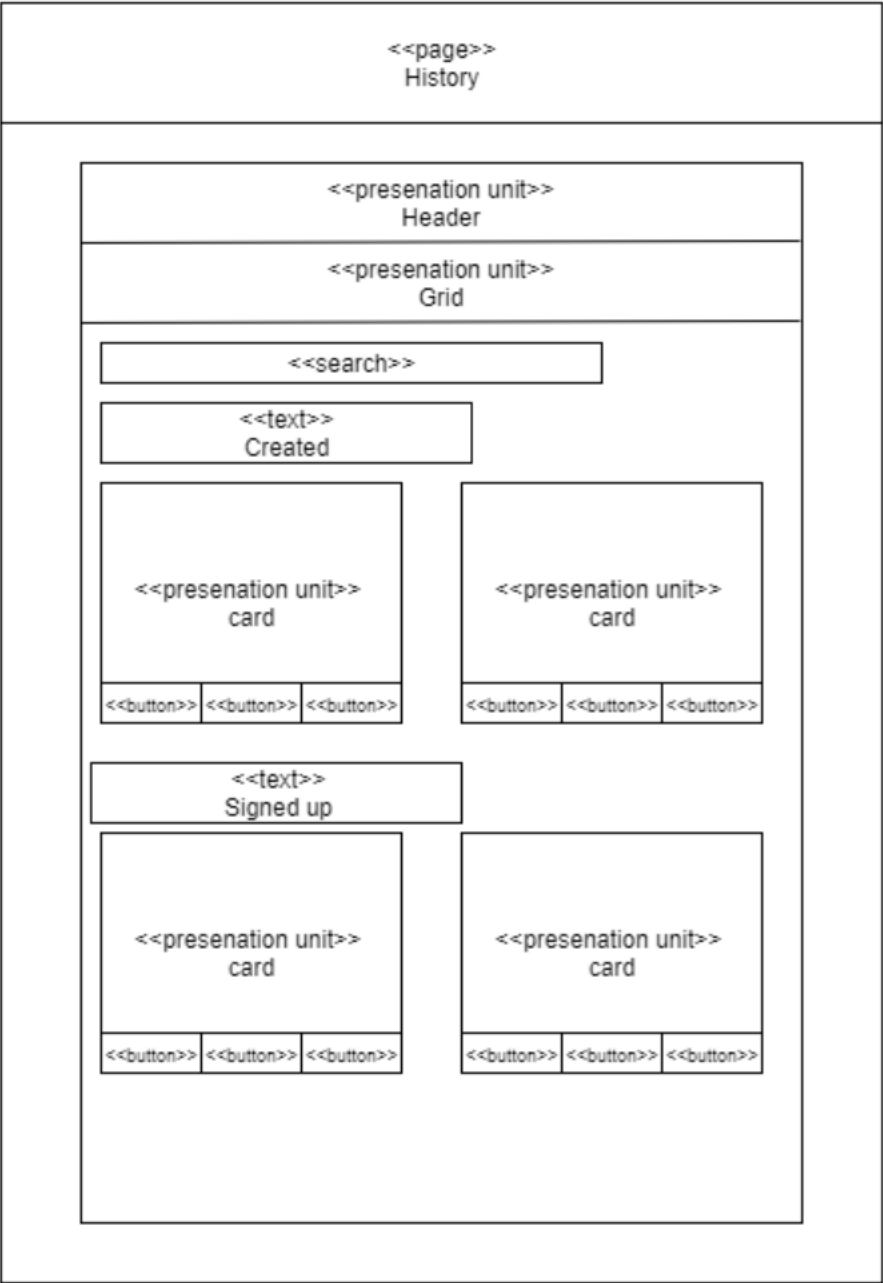
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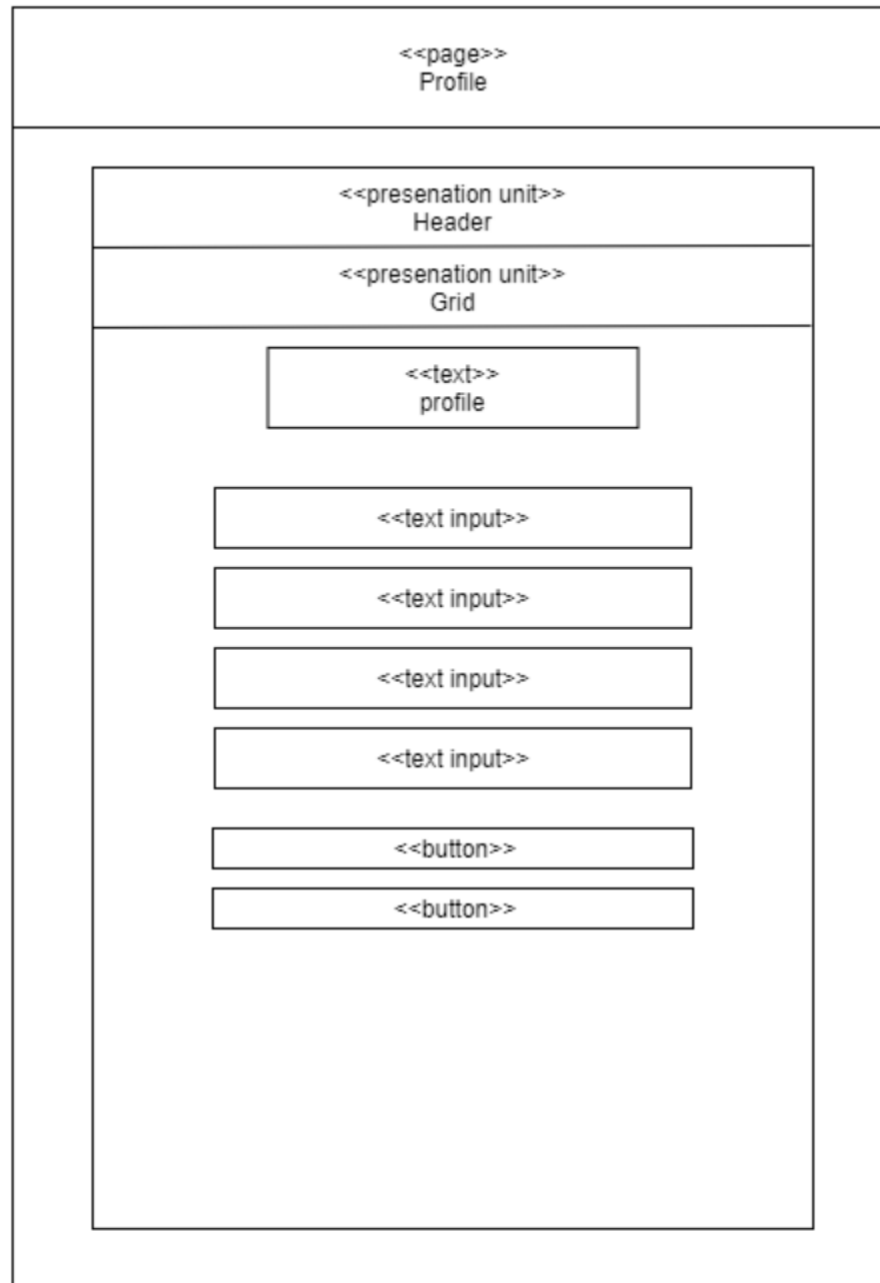
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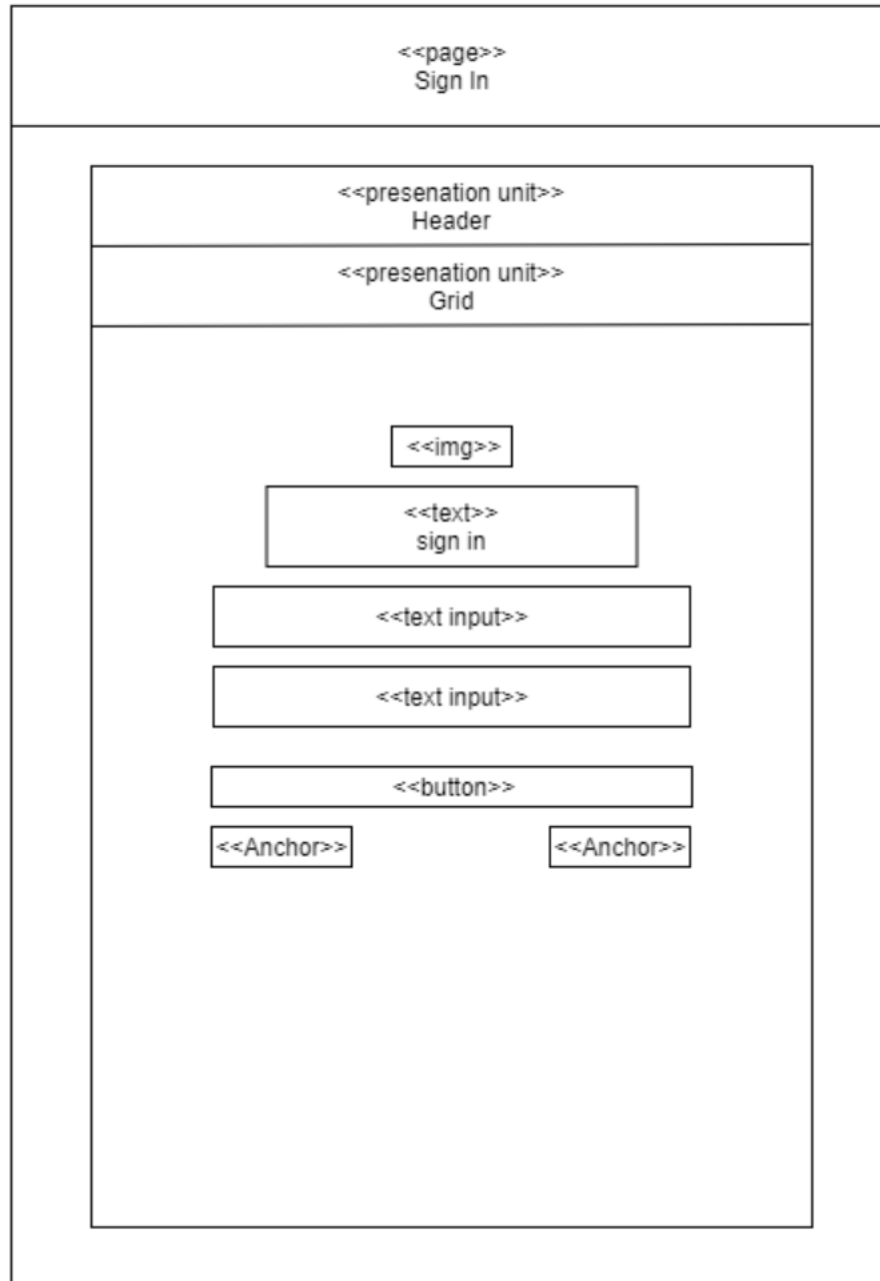
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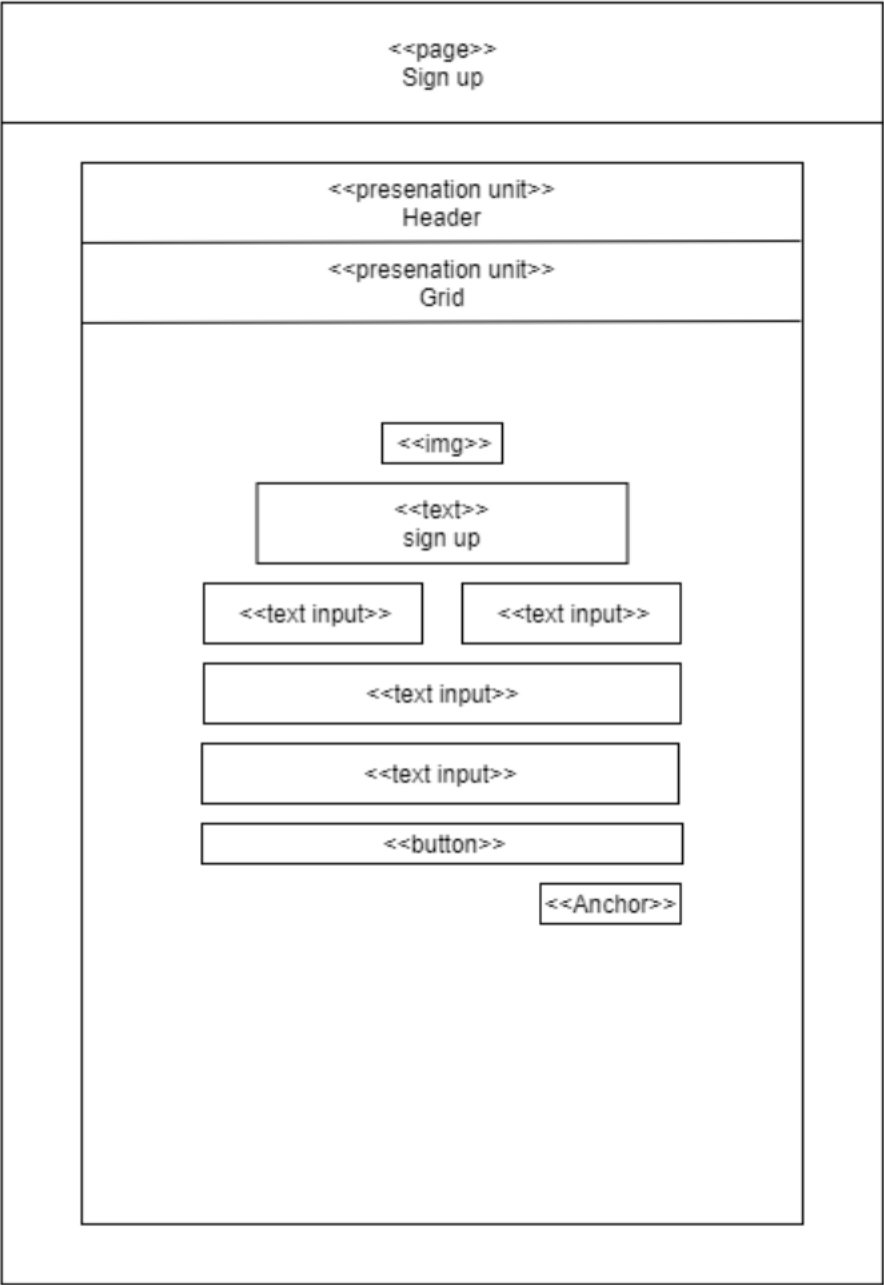
<<button>>

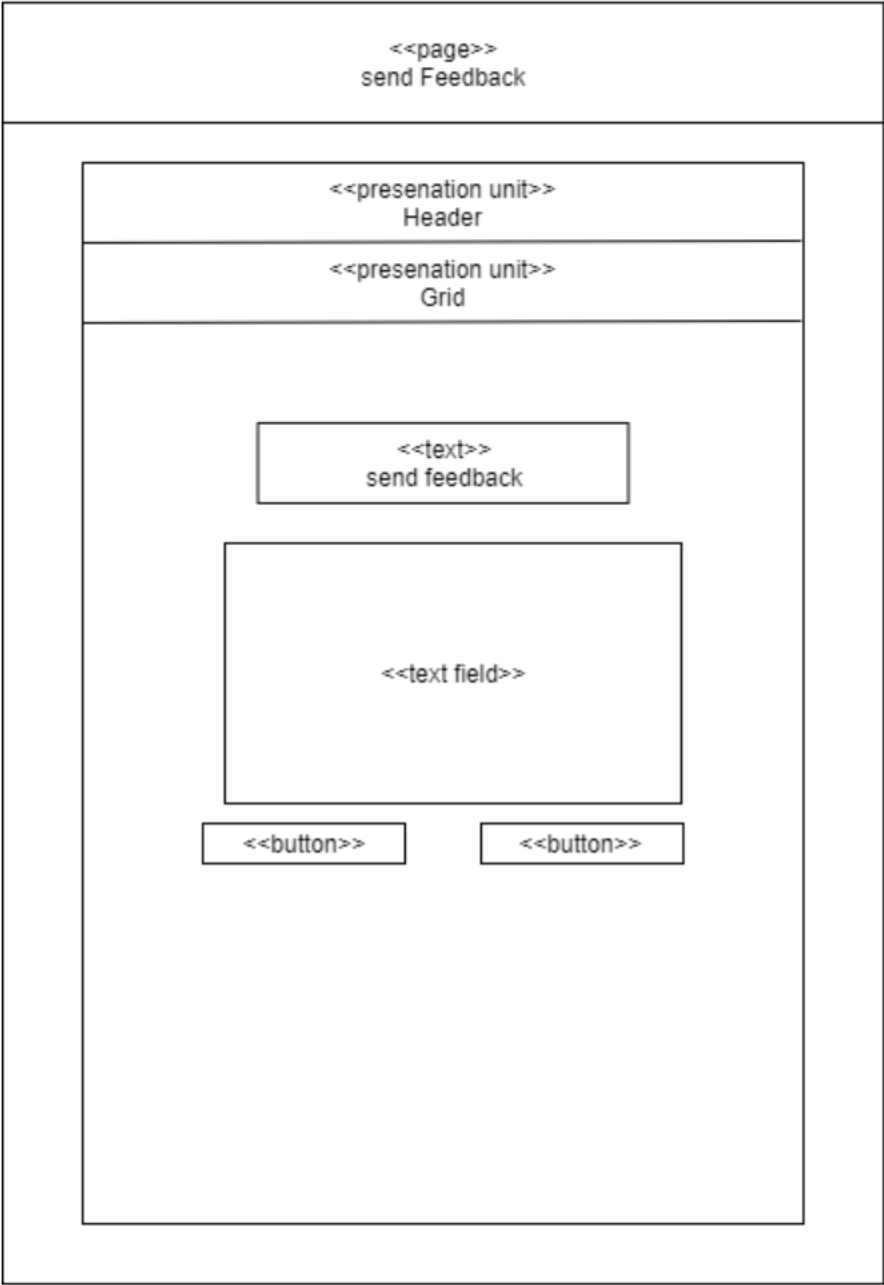
Page 27

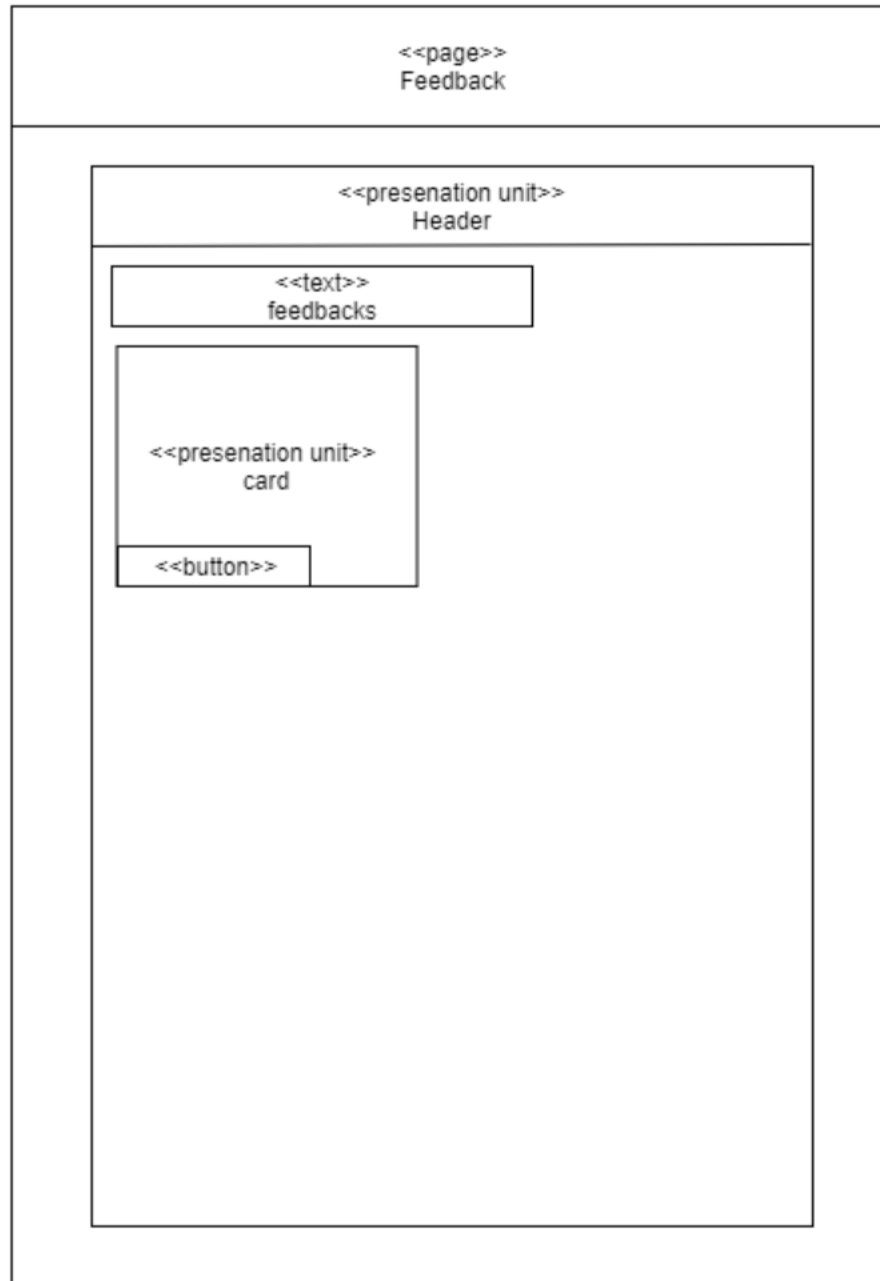


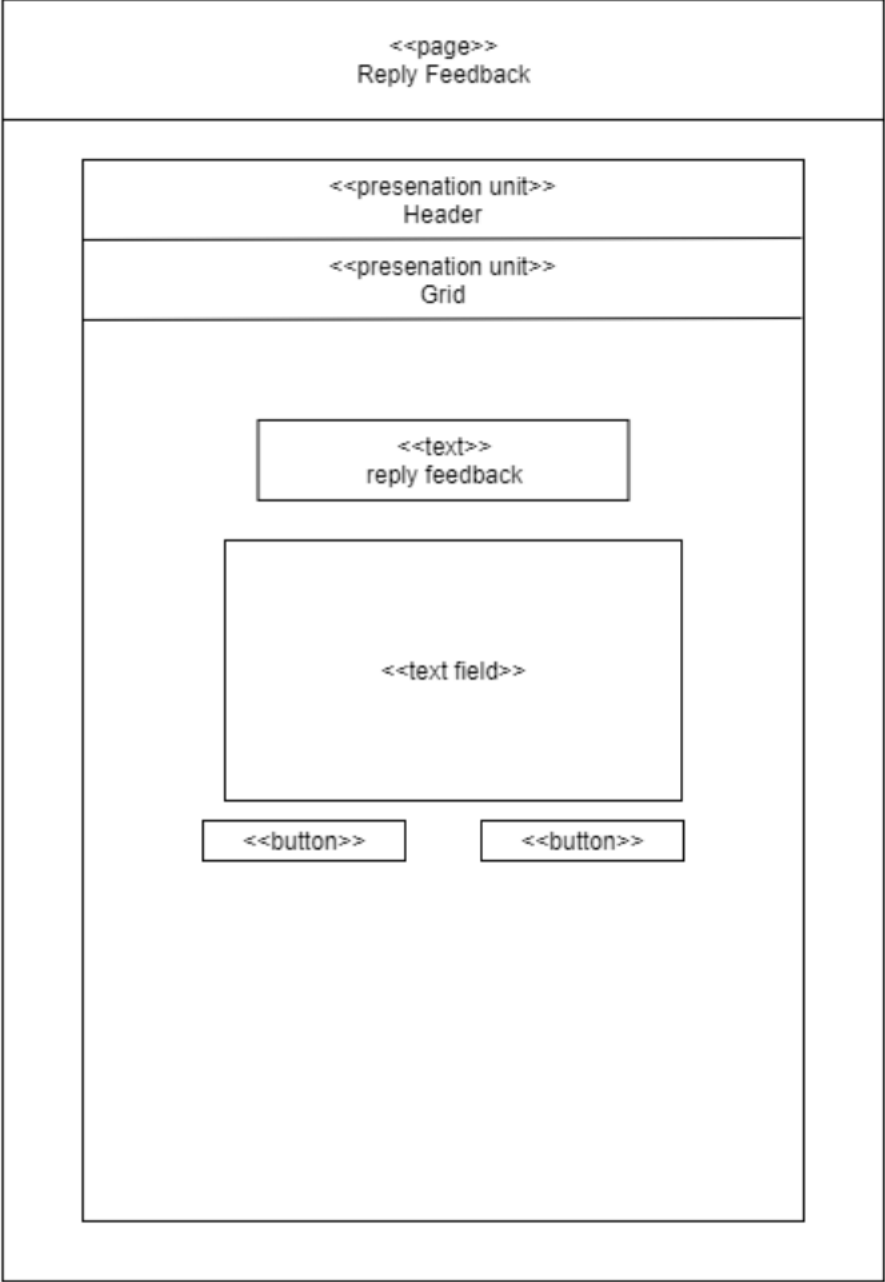


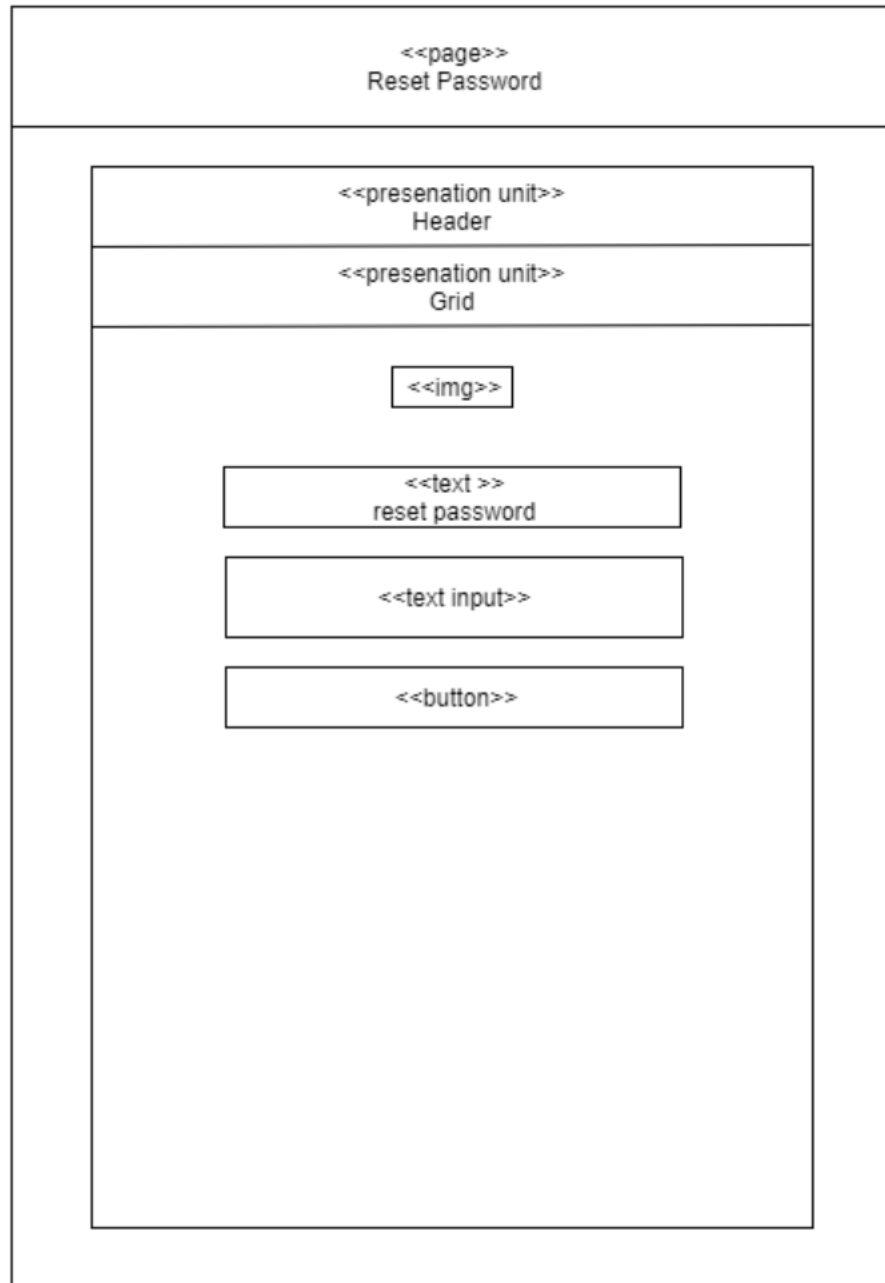












4.7. User Interface

Landing page

KFUPM
Events

SIGN IN SIGN UP

Search...

football

footbal in field 5
Starts on 2019-11-20 at 19:00:00

JOIN

baskerball

basketball in building 11
Starts on 2019-11-21 at 19:00:00

JOIN

football

football in field 5
Starts on 2019-11-22 at 19:00:00

JOIN

Users

KFUPM
Events

SIGN IN SIGN UP

User Name
User Email

ACCEPT REJECT

User Name
User Email

ACCEPT REJECT

User Name
User Email

BLOCK DELETE

User Name
User Email

BLOCK DELETE

User Name
User Email

BLOCK DELETE

User Name
User Email

BLOCK DELETE

Activities

KFUPM
Events

SIGN IN SIGN UP

Q Search...

Events

football

footbal in field 5

Starts on 2019-11-20 at 19:00:00

ACCEPT/REJECT EDIT DELETE

basketball

basketball in building 11

Starts on 2019-11-21 at 19:00:00

ACCEPT/REJECT EDIT DELETE

football

football in field 5

Starts on 2019-11-22 at 19:00:00

ACCEPT/REJECT EDIT DELETE

Reports

KFUPM
Events

SIGN IN SIGN UP

Reprots

Users

33.33% accepted

33.33% waiting

33.33% blocked

Events

100.00% active

Feedbacks

100.00% pending feedback

New Event

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)

New Event

Starting Date

20/11/2019



Starting Time

03:29 AM



Ending Date

20/11/2019



Ending Time

03:29 AM



SUBMIT

CANCEL

Edit Event

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)

Edit Event

football

footbal in field 5

Starting Date

20/11/2019



Starting Time

03:29 AM



Ending Date

20/11/2019



Ending Time

03:29 AM



SAVE

DISCARD CHANGES

History

KFUPM
Events

SIGN IN SIGN UP

Search...

You Created

football

football in field 5
Starts on 2019-11-20 at 19:00:00

ACCEPT/REJECT EDIT DELETE

You Signed Up For

basketball

basketball in building 11
Starts on 2019-11-21 at 19:00:00

CANCEL SEND FEEDBACK

STATUS: WAITING

football

football in field 5
Starts on 2019-11-22 at 19:00:00

CANCEL SEND FEEDBACK

STATUS: WAITING

Profile

KFUPM
Events

SIGN IN SIGN UP

Profile

First Name

Omar

Last Name

Alghamdi

Email

omar@kfupm.com

Password

SAVE CHANGES

DISCARD CHANGES

Sign in

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)



Sign in

[SIGN IN](#)

[Forgot password?](#)

[Don't have an account? Sign Up](#)

Sign Up

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)



Sign up

[SIGN UP](#)

[Already have an account? Sign in](#)

Send Feedback

Feedback

Your Feedback *

SUBMIT

CANCEL

Feedback

Feedbacks

By: Abdullah

great match

REPLY

Reply Feedback

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)

Reply

Your Reply *

SUBMIT

CANCEL

Reset Password

KFUPM
Events

[SIGN IN](#) [SIGN UP](#)



Enter your email to rest your password

Email Address *

REST PASSWORD