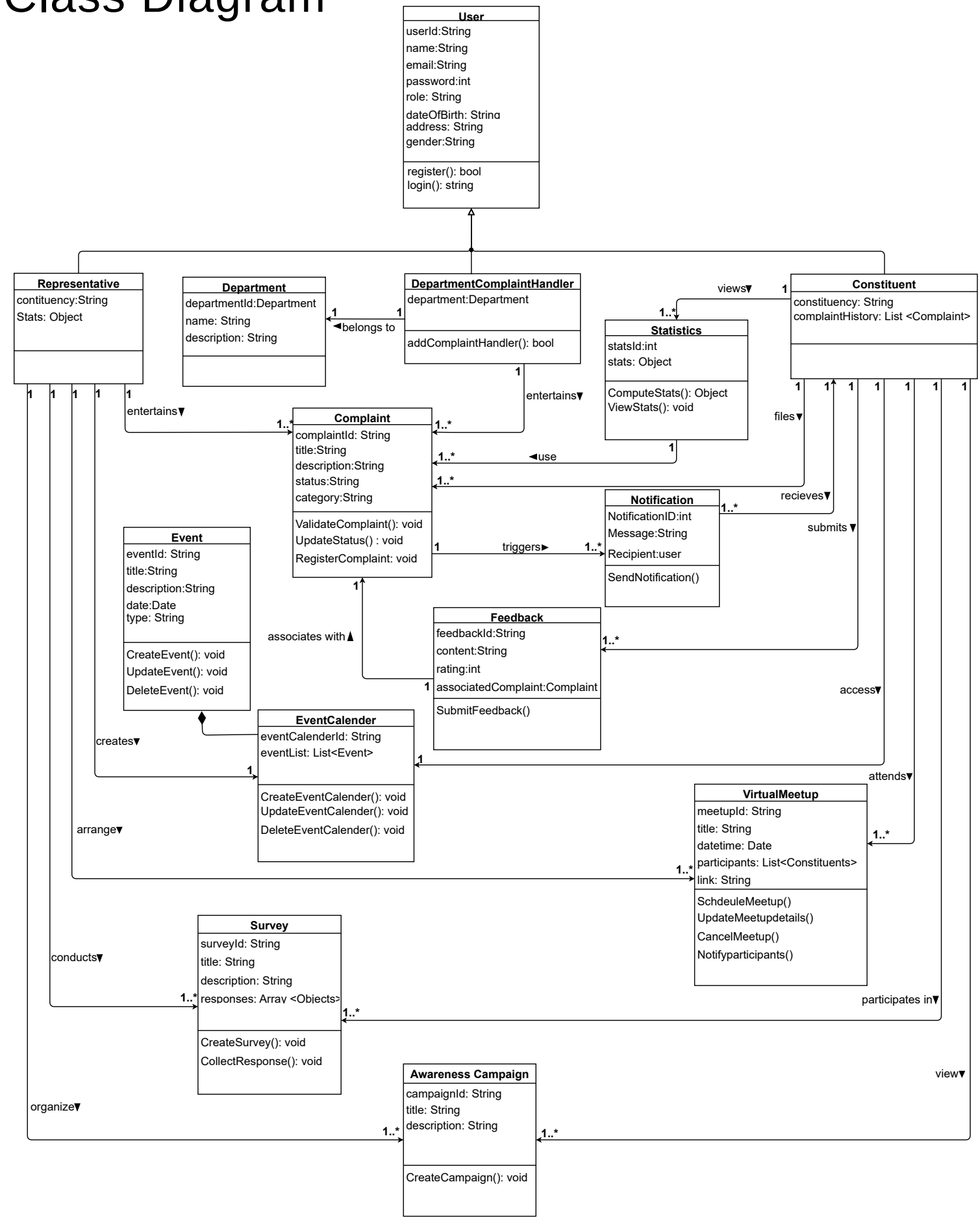
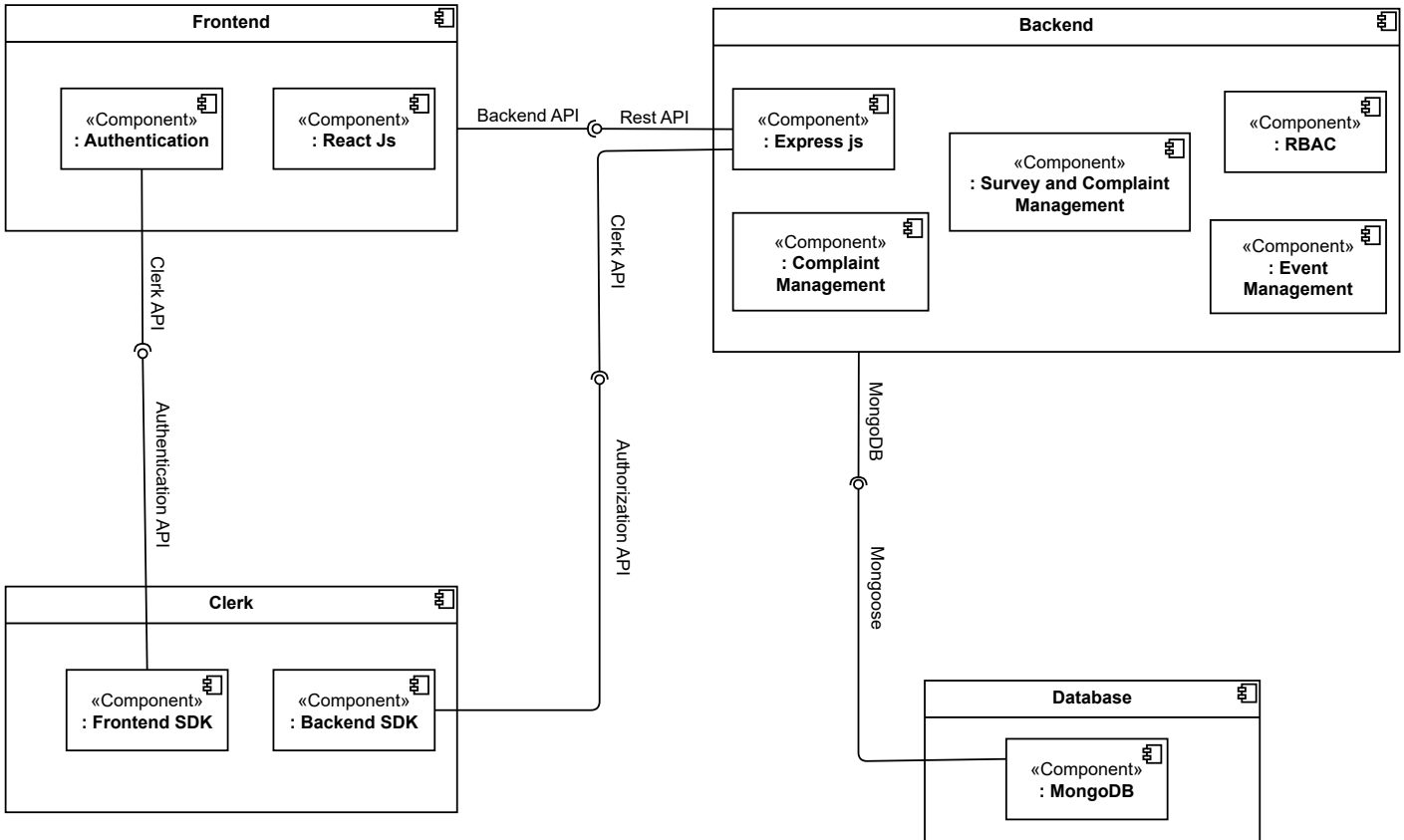
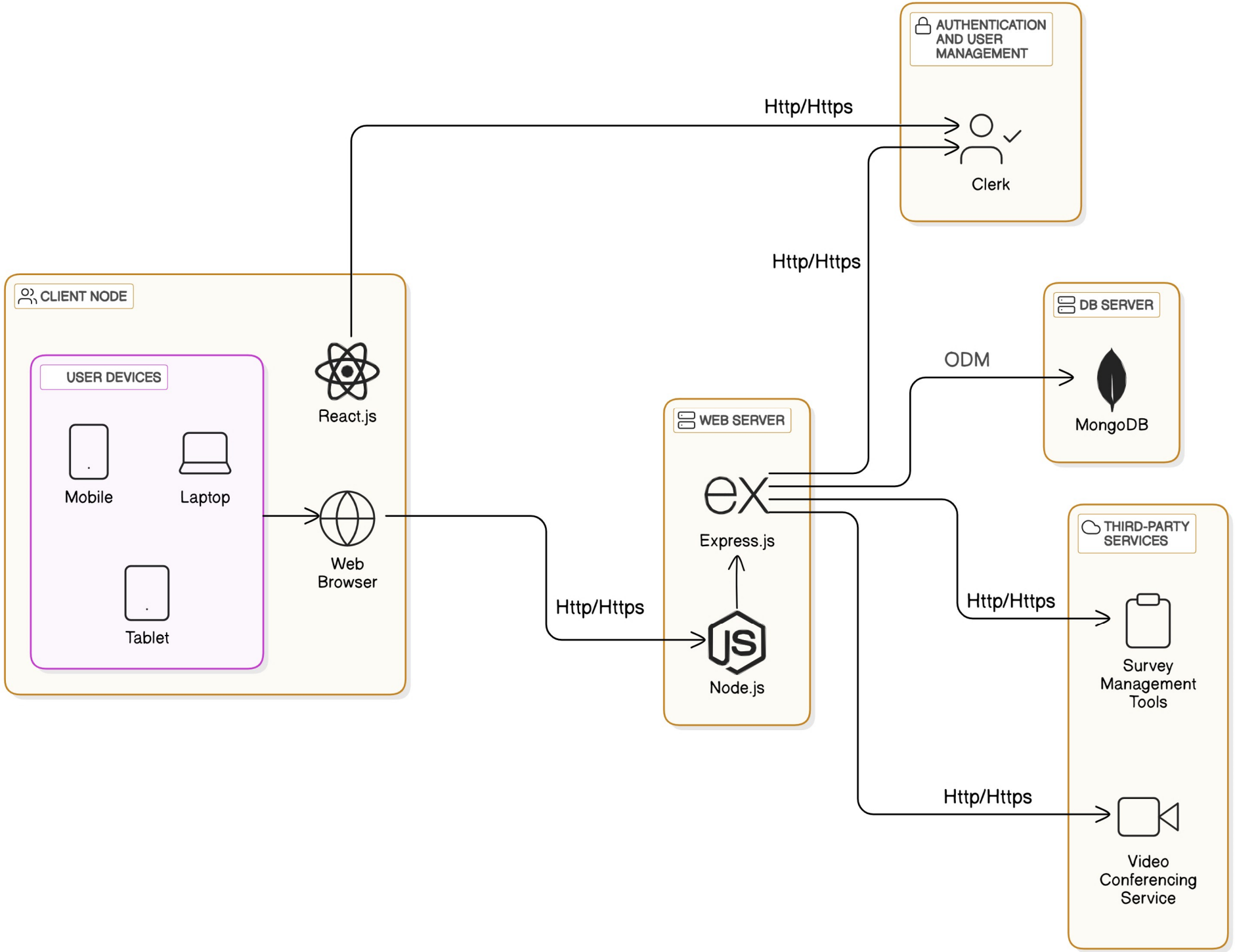
Class Diagram

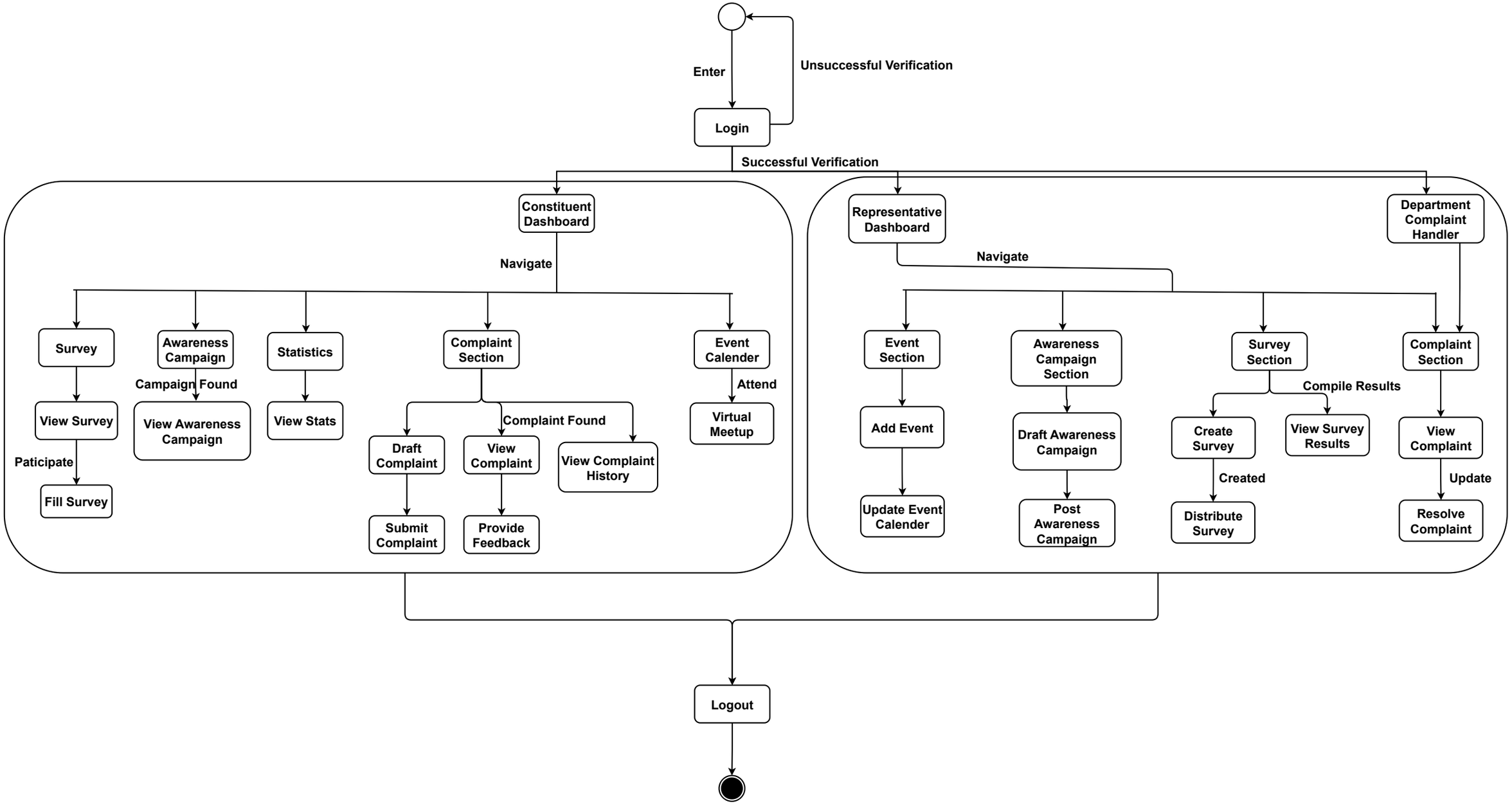




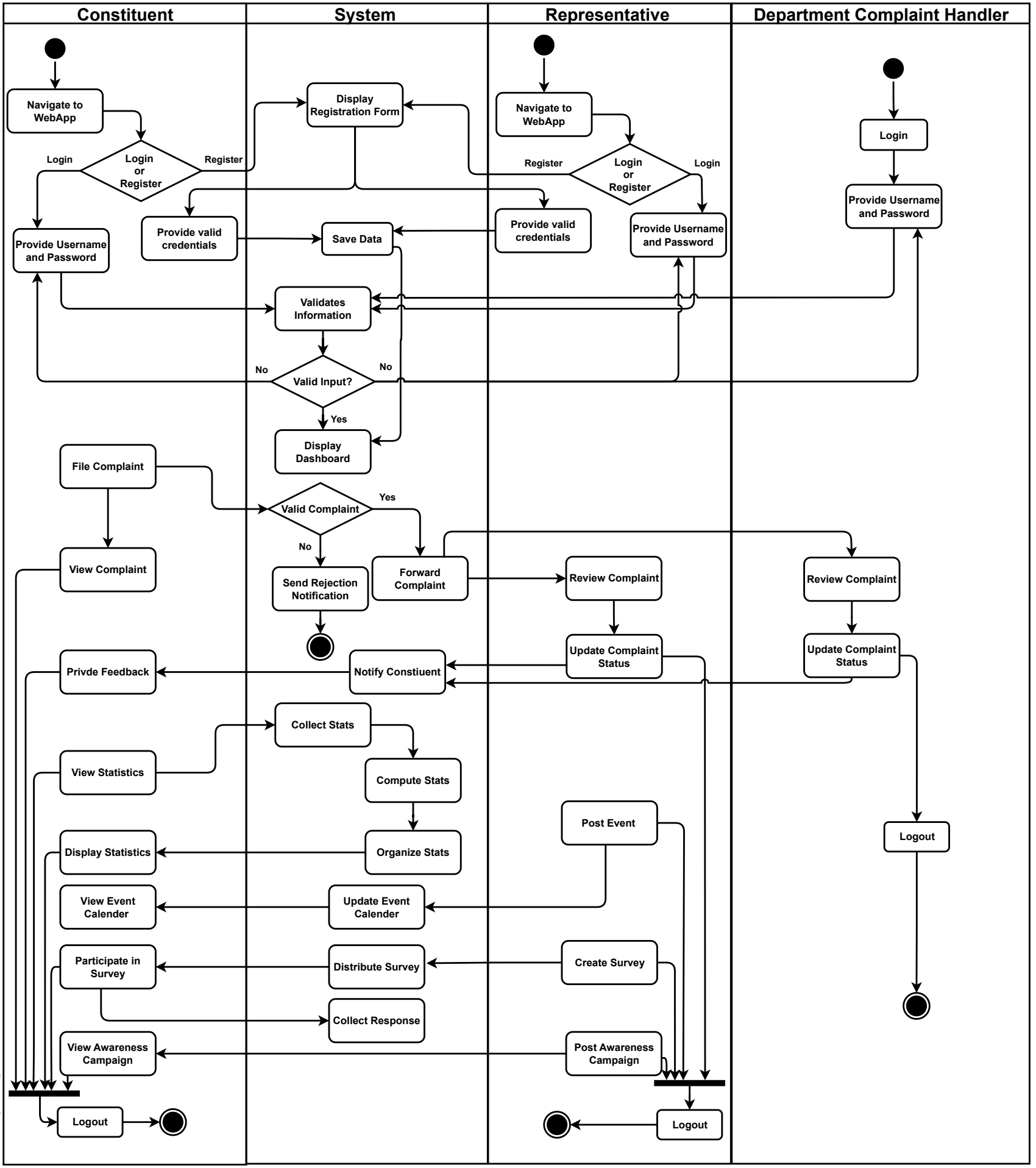
Component Diagram



Deployment Diagram



State Transition Diagram


Constituent
System
Representative
Department Complaint Handler
Navigate to WebApp
Login or Register
Login
Register
Provide Username and Password
Provide valid credentials
Display Registration Form
Save Data
Validates Information
Valid Input?
No
Yes
Display Dashboard
File Complaint
Valid Complaint
View Complaint
Send Rejection Notification
Forward Complaint
Review Complaint
Update Complaint Status
Notify Constiuent
Privde Feedback
Collect Stats
Compute Stats
Organize Stats
View Statistics
Display Statistics
Post Event
Update Event Calender
View Event Calender
Create Survey
Distribute Survey
Participate in Survey
Collect Response
Post Awareness Campaign
View Awareness Campaign
Logout
Login
Activity Diagram

user
PK user_id
name
email
password
role
phone
address

representative
PK representative_id
FK constituency_id

department_complaint_handler
PK handler _id
FK department_id

constituent
PK
FK constituency_id
age
gender

department
PK department_id
department_name
description

complaint
PK complaint_ id
FK constituent_id
FK representative_id
FK handler_id
title
description
status

notification
PK notification_id
FK representative_id
FK complaint_id
FK constituent_id
message
is_read

statistics
PK stat_id
FK representative_id
datatype
value
report_date

feedback
PK feedback_id
FK constituent_id
FK complaint_id
rating
comment

event_calendar
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FK event_id
FK representative_id

event
PK event_id
FK representative_id
event_title
description
location

virtual_meetup
PK meetup_id
FK representative_id
start_time
end_time
meeting_link

survey
PK survey_id
FK representative_id
title
description
creation_date

survey_response
PK response_id
FK survey_id
FK constituent_id
survey_response

awareness_campaign
PK campaign_id
FK representative_id
title
description

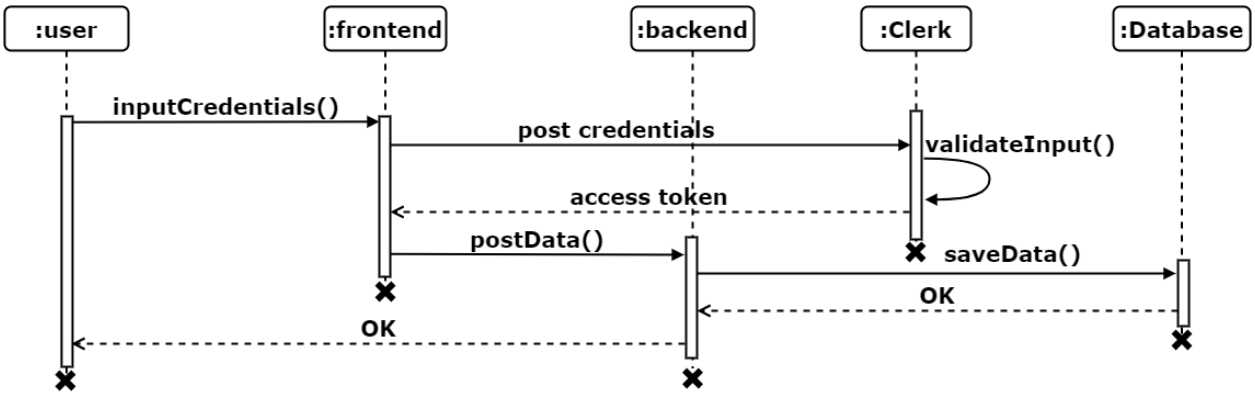
constituency
PK constituency_id
constituency_number

entertains
belongs to
files
recieves
triggers
organize
refers to
use
views
submits
access
contains
organize
participates in
schedule
joins
post
participates in
has
provides
organize
views
belongs to
belongs to

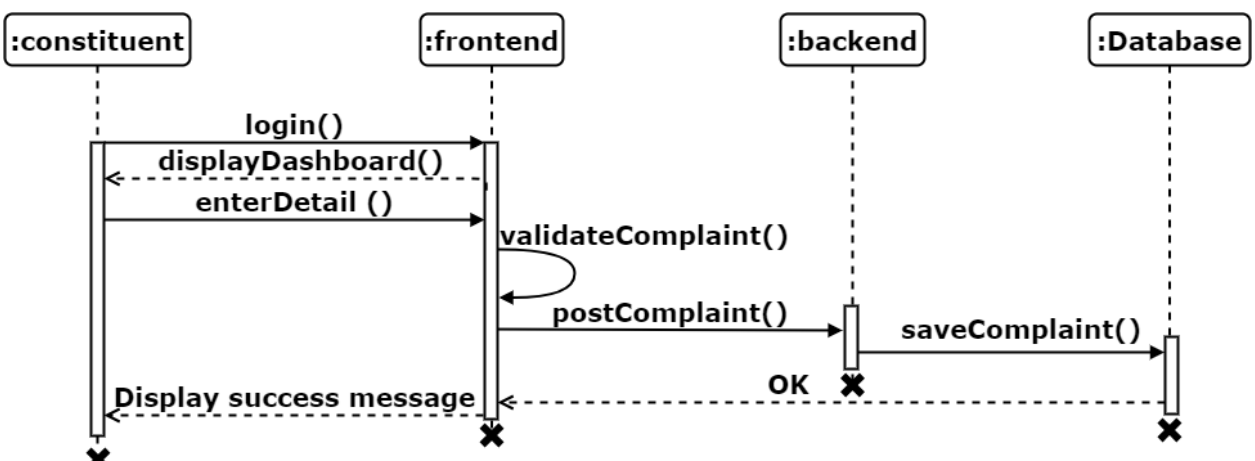
ER Diagram

Sequence Diagrams

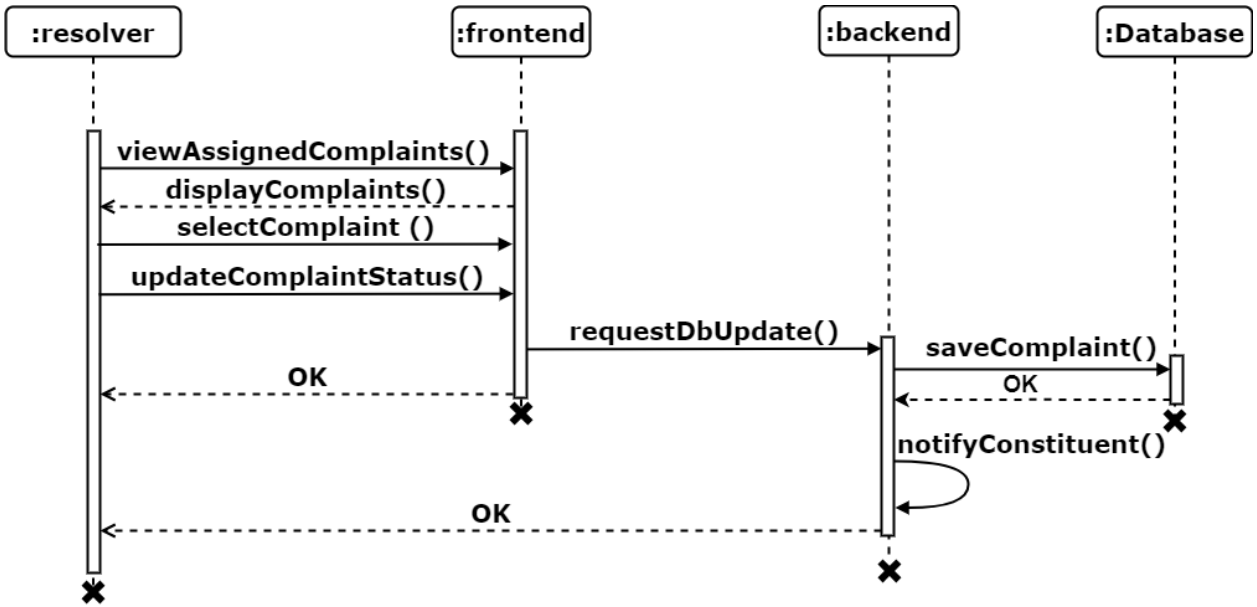
Login/Signup



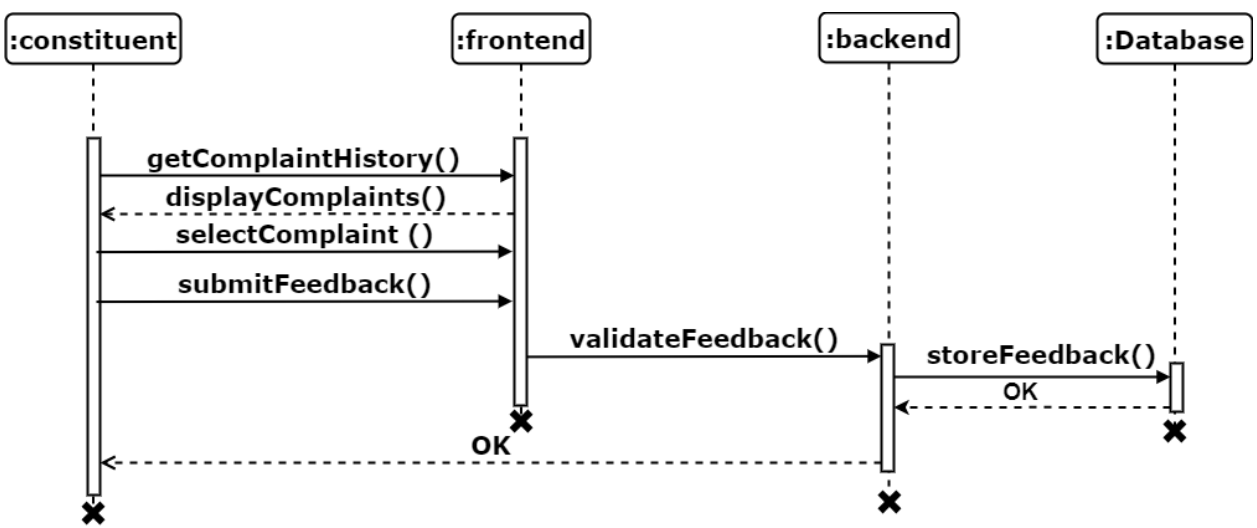
File Complaint



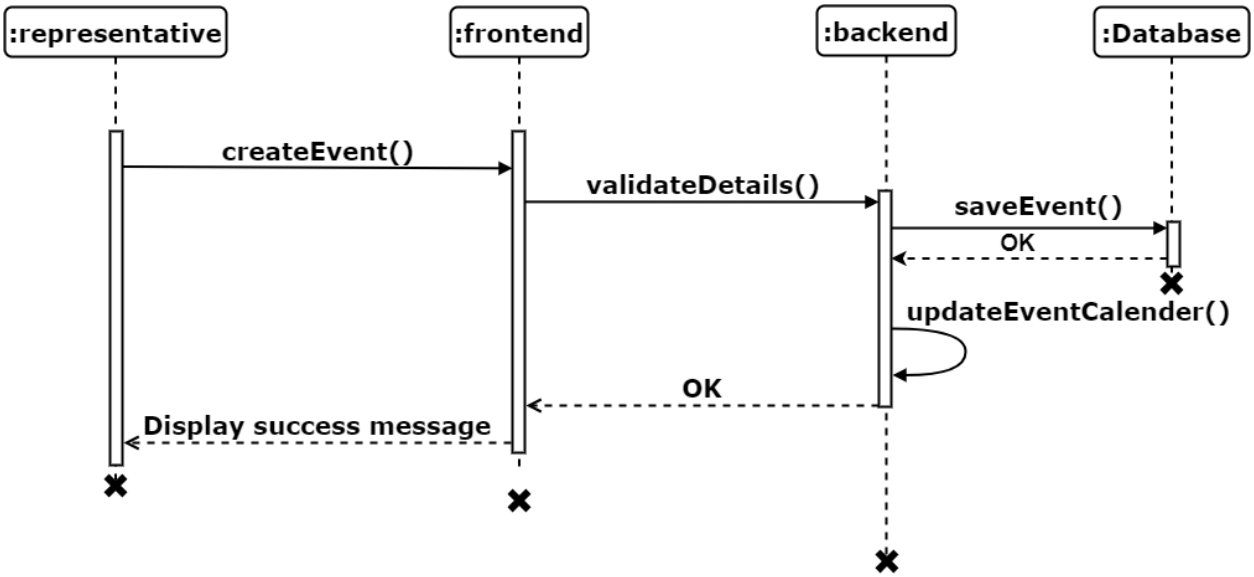
Resolve Complaint



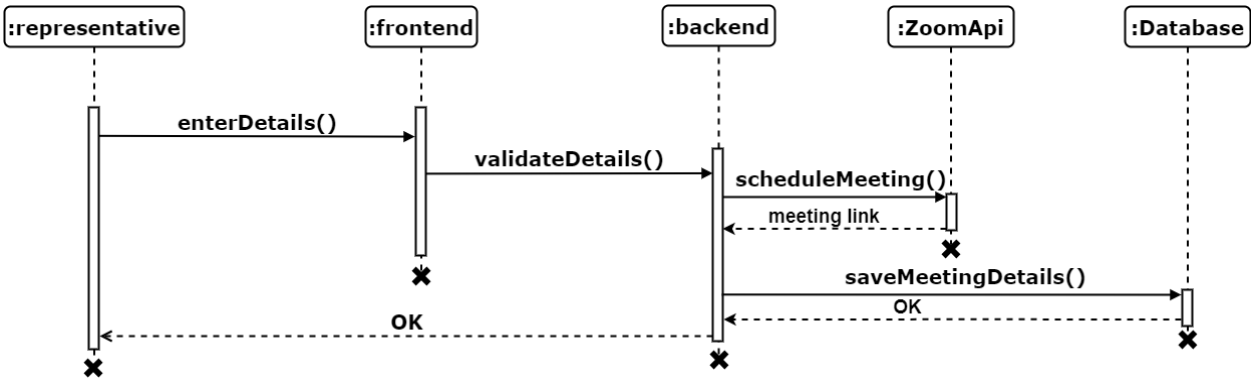
Submit Feedback



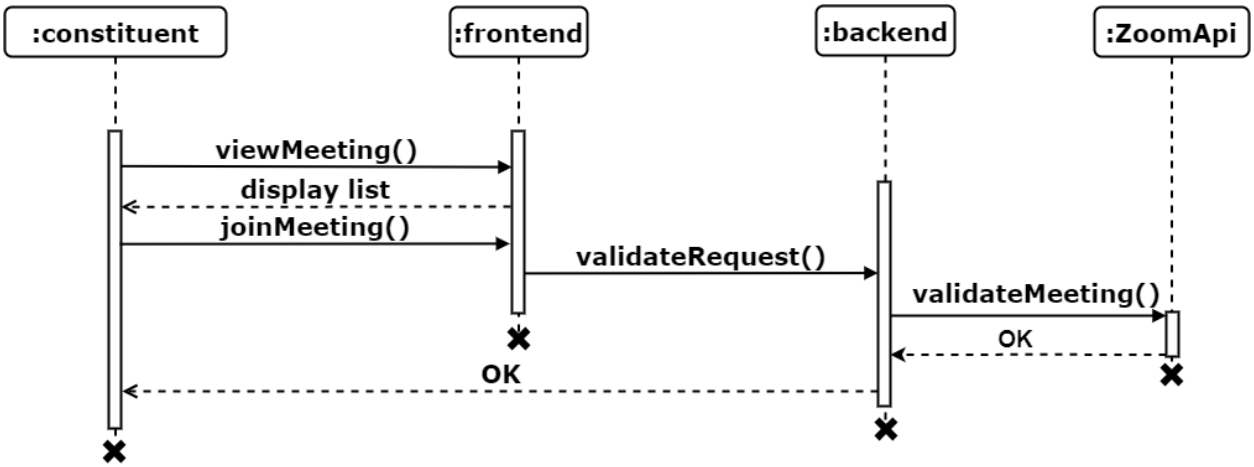
Post Event



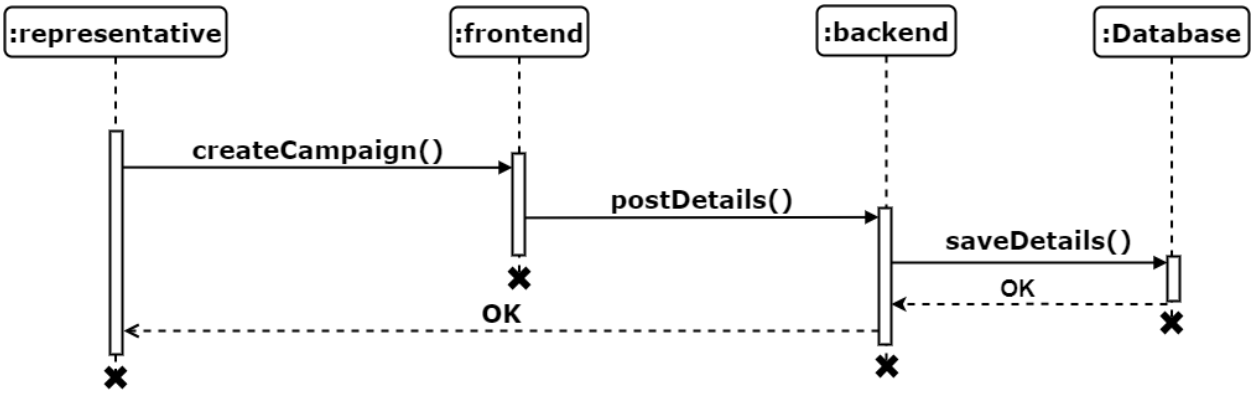
Post Virtual Meetup



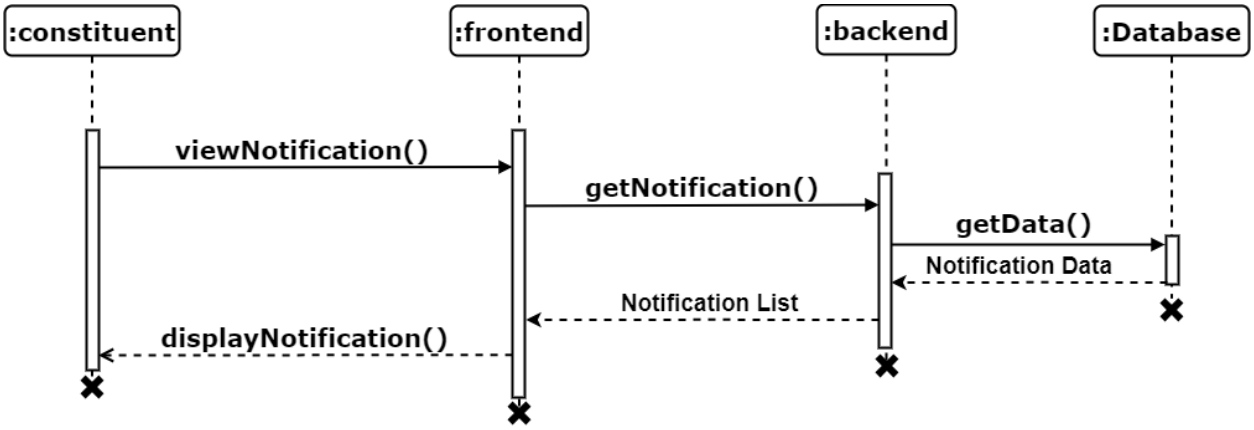
Join Virtual Meetup



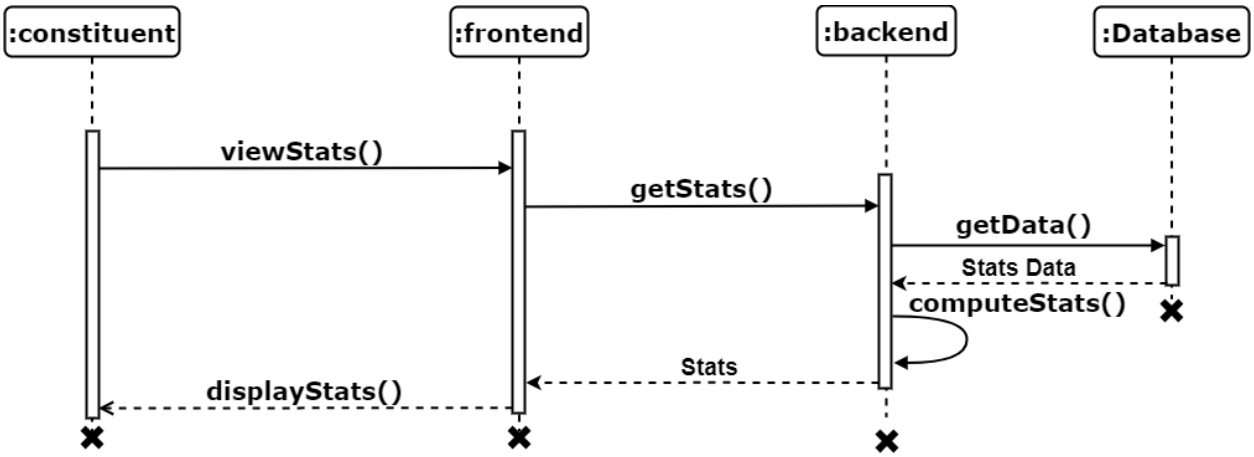
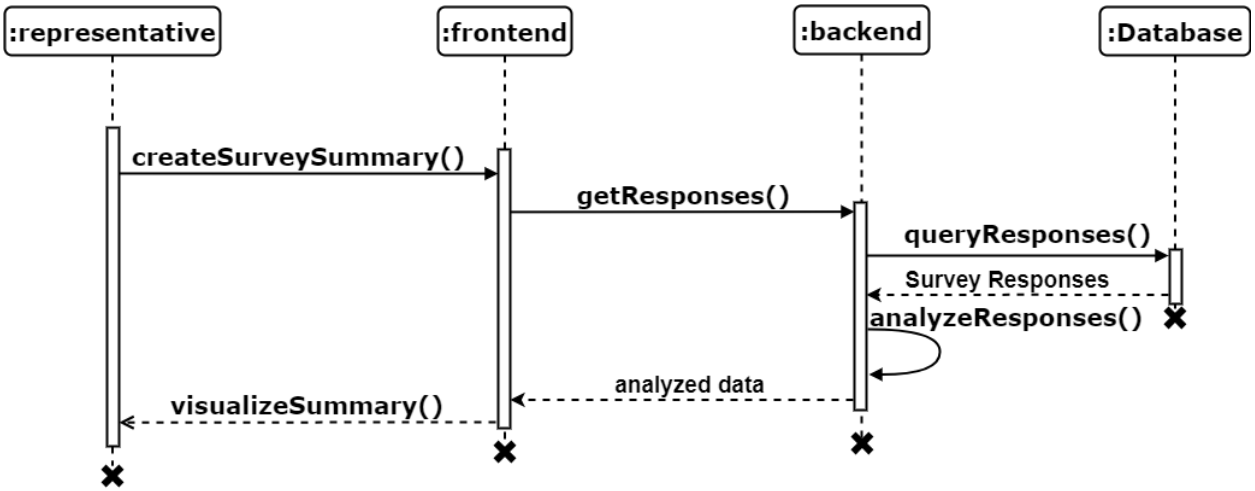
Post Campaign



View Notification



View Statistics



Analyze Survey Response