CS 6310 | A6 project
UML 1.4
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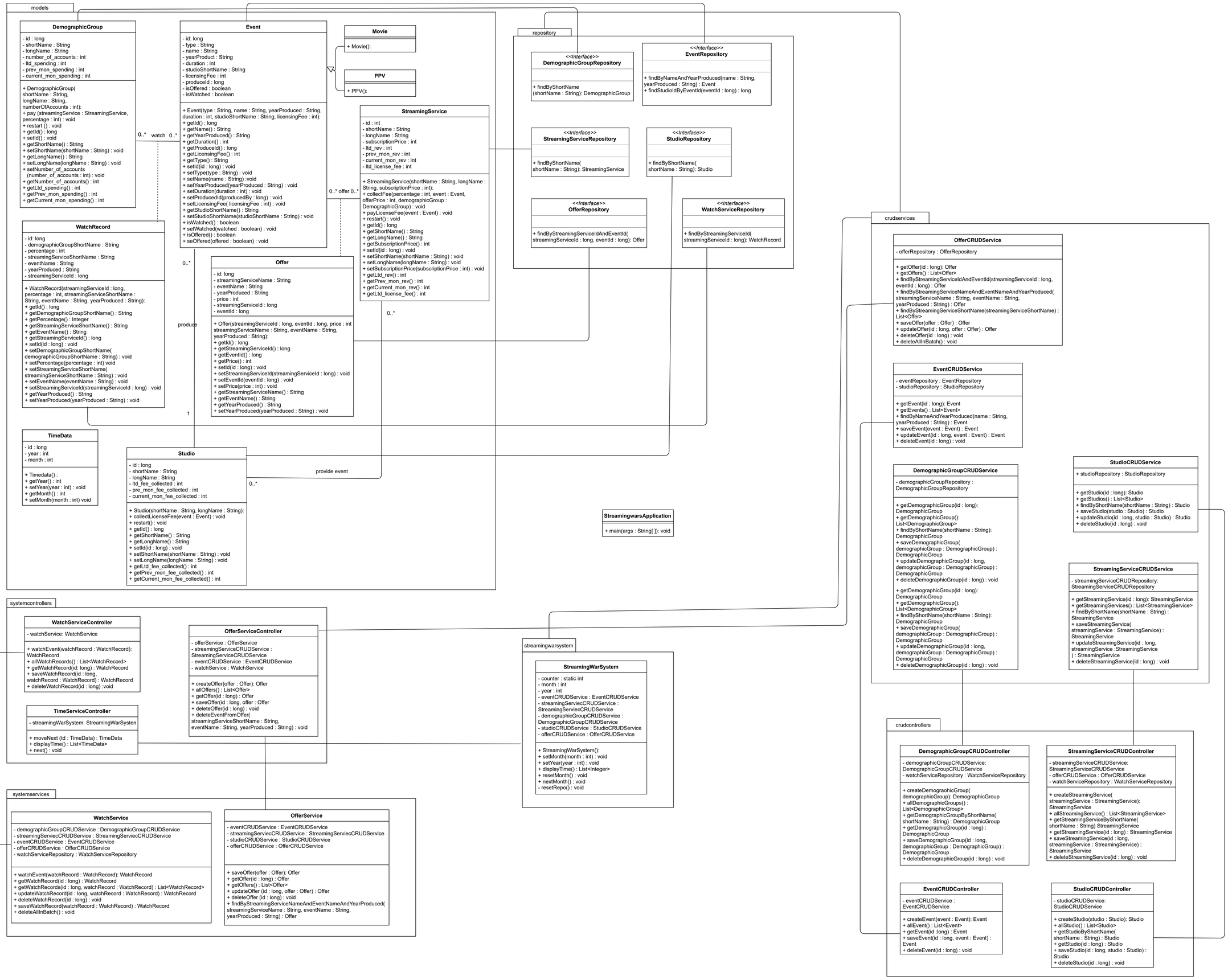
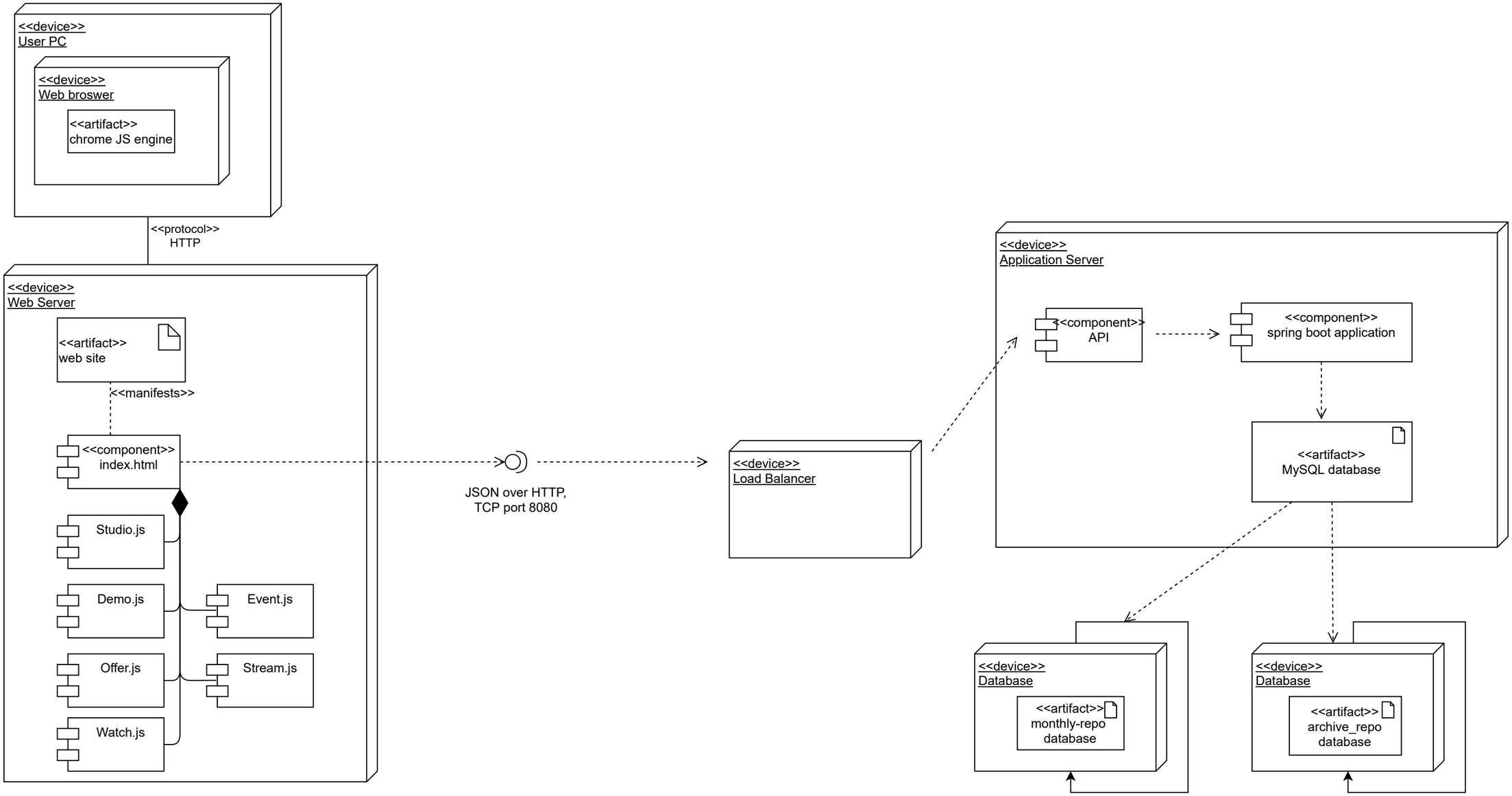
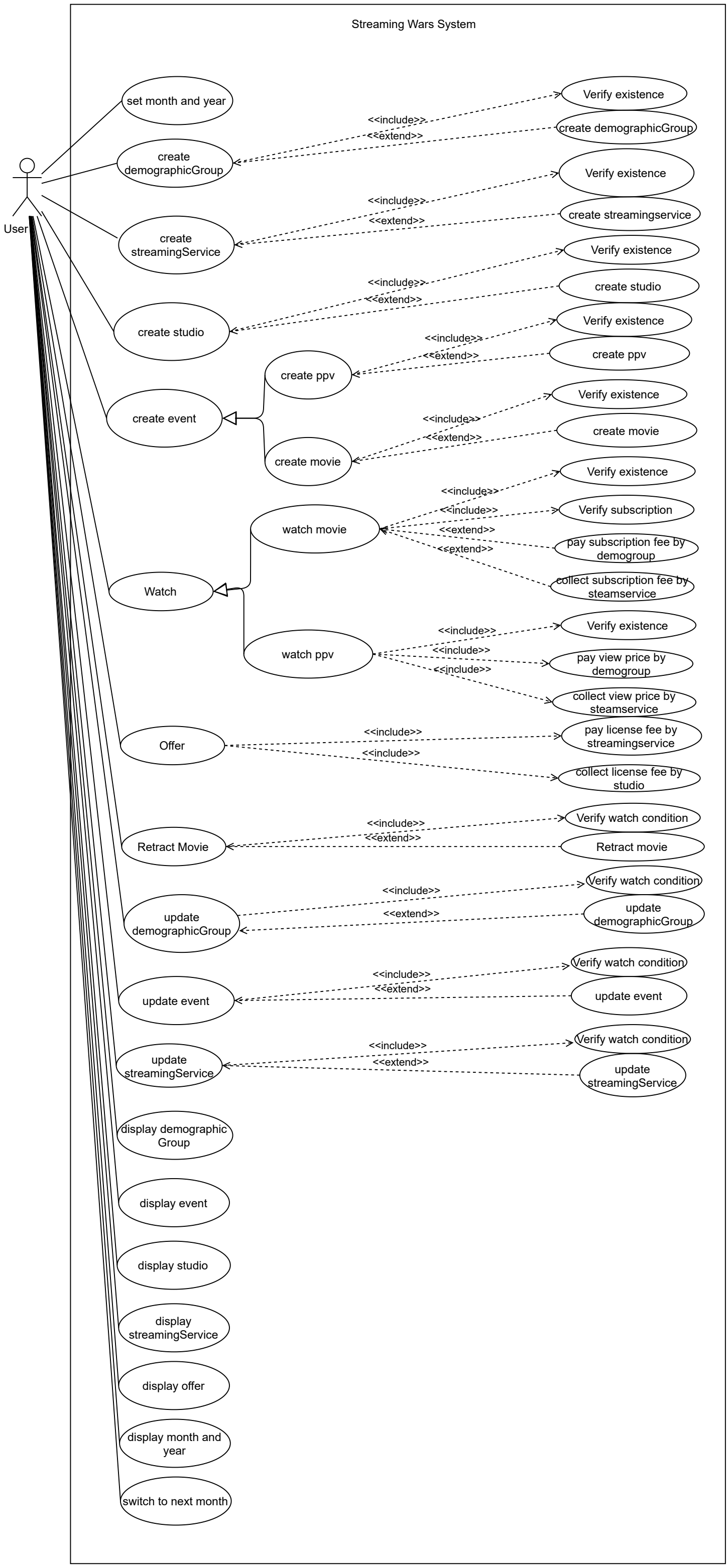
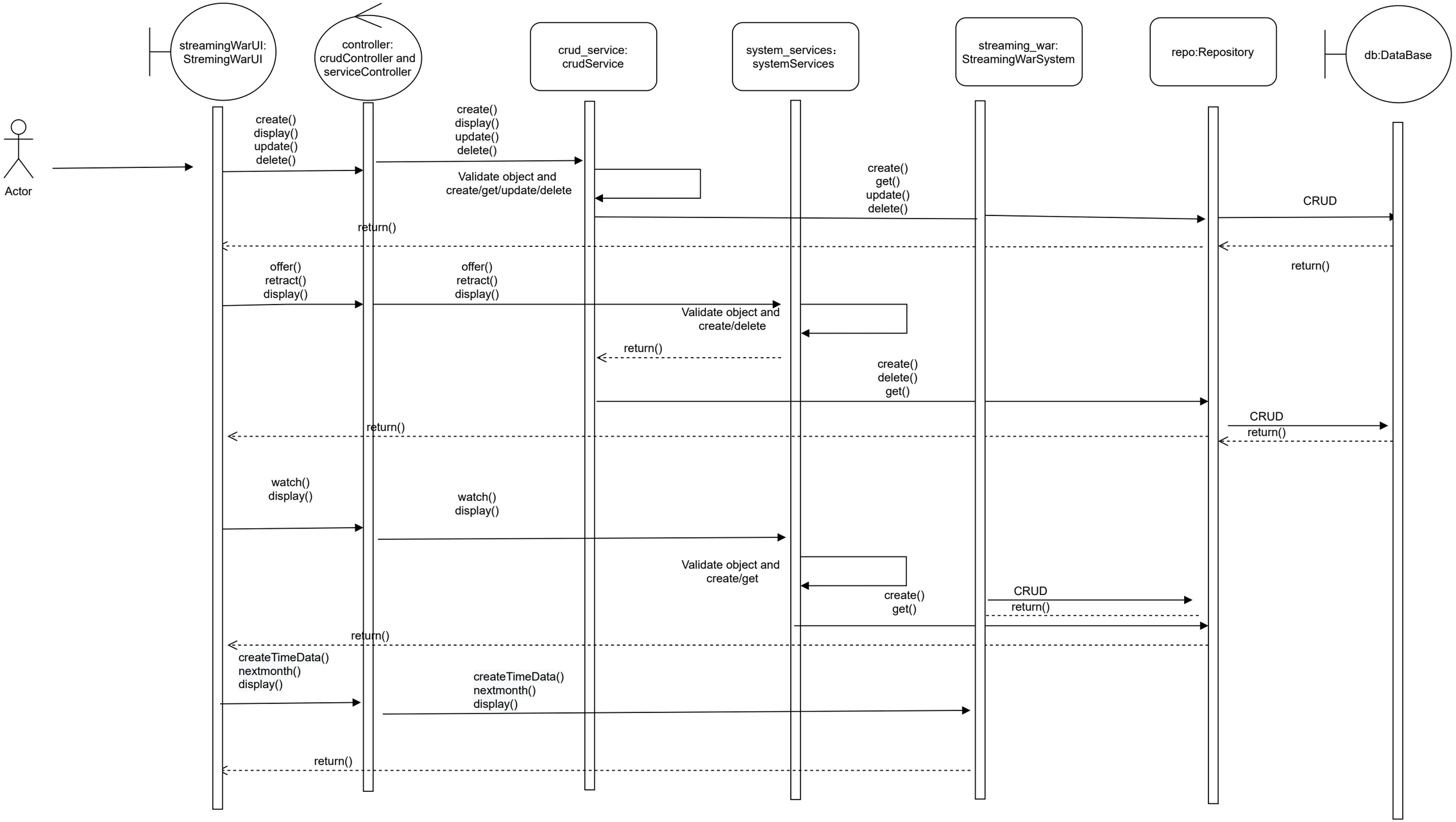



<<device>>
User PC
<<device>>
Web broswer
<<artifact>>
chrome JS engine
<<protocol>>
HTTP
<<device>>
Web Server
<<artifact>>
web site
<<manifests>>
<<component>>
index.html
Studio.js
Demo.js
Event.js
Offer.js
Stream.js
Watch.js
JSON over HTTP,
TCP port 8080
<<device>>
Load Balancer
<<device>>
Application Server
<<component>>
API
<<component>>
spring boot application
<<artifact>>
MySQL database
<<device>>
Database
<<artifact>>
monthly-repo
database
<<device>>
Database
<<artifact>>
archive_repo
database


Streaming Wars System
User
set month and year
create demographicGroup
create streamingService
create studio
create event
create ppv
create movie
Watch
watch movie
watch ppv
Offer
Retract Movie
update demographicGroup
update event
update streamingService
display demographic Group
display event
display studio
display streamingService
display offer
display month and year
switch to next month
Verify existence
create demographicGroup
Verify existence
create streamingservice
Verify existence
create studio
Verify existence
create ppv
Verify existence
create movie
Verify existence
Verify subscription
pay subscription fee by demogroup
collect subscription fee by steamservice
Verify existence
pay view price by demogroup
collect view price by steamservice
pay license fee by streamingservice
collect license fee by studio
Verify watch condition
Retract movie
Verify watch condition
update demographicGroup
Verify watch condition
update event
Verify watch condition
update streamingService
<<include>>
<<extend>>


Actor
streamingWarUI:
StremingWarUI
controller:
crudController and
serviceController
crud_service:
crudService
system_services：
systemServices
streaming_war:
StreamingWarSystem
repo:Repository
db:DataBase
create()
display()
update()
delete()
create()
display()
update()
delete()
Validate object and
create/get/update/delete
create()
get()
update()
delete()
CRUD
return()
return()
offer()
retract()
display()
offer()
retract()
display()
Validate object and
create/delete
return()
create()
delete()
get()
CRUD
return()
return()
watch()
display()
watch()
display()
Validate object and
create/get
create()
get()
CRUD
return()
return()
createTimeData()
nextmonth()
display()
createTimeData()
nextmonth()
display()
return()