

CoBrain Web

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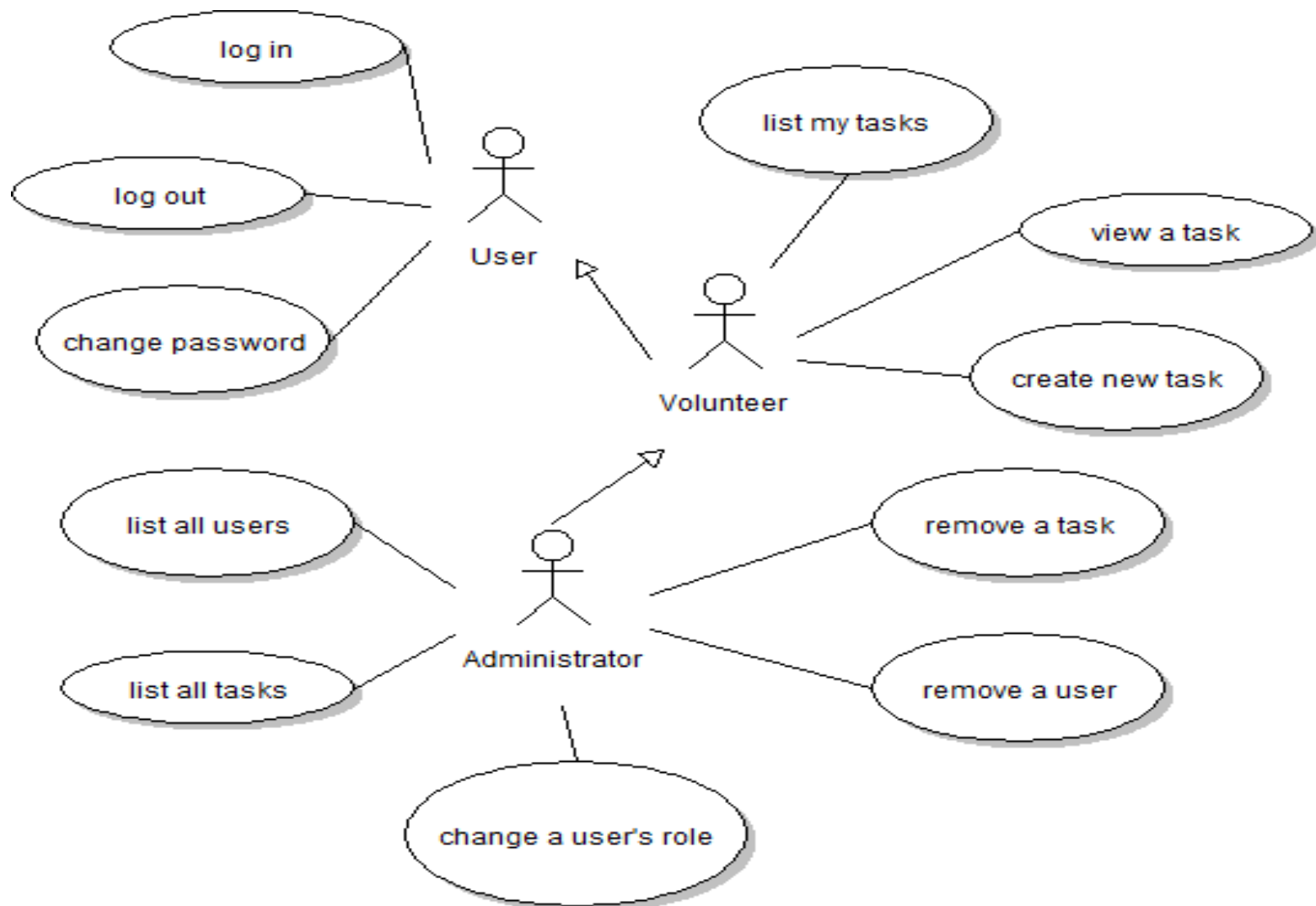
Outline

- Overview
- Use Cases
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- View of Participant Classes
- Patterns & Methods Applied

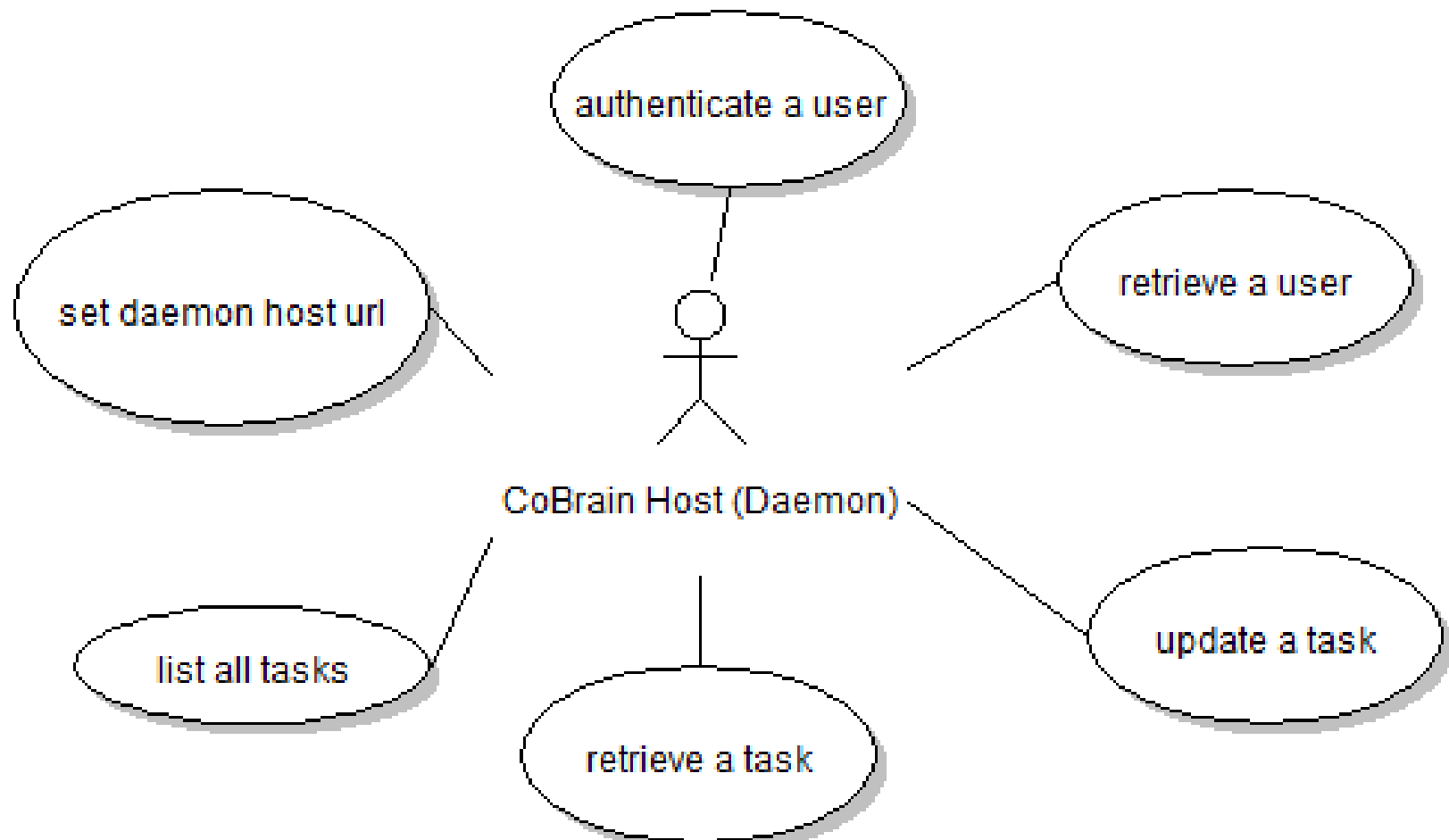
Overview

- The aim of CoBrain Web is
 - to provide a web interface for task management and user management
 - to provide a text-based interface for CoBrain Host (the central server)

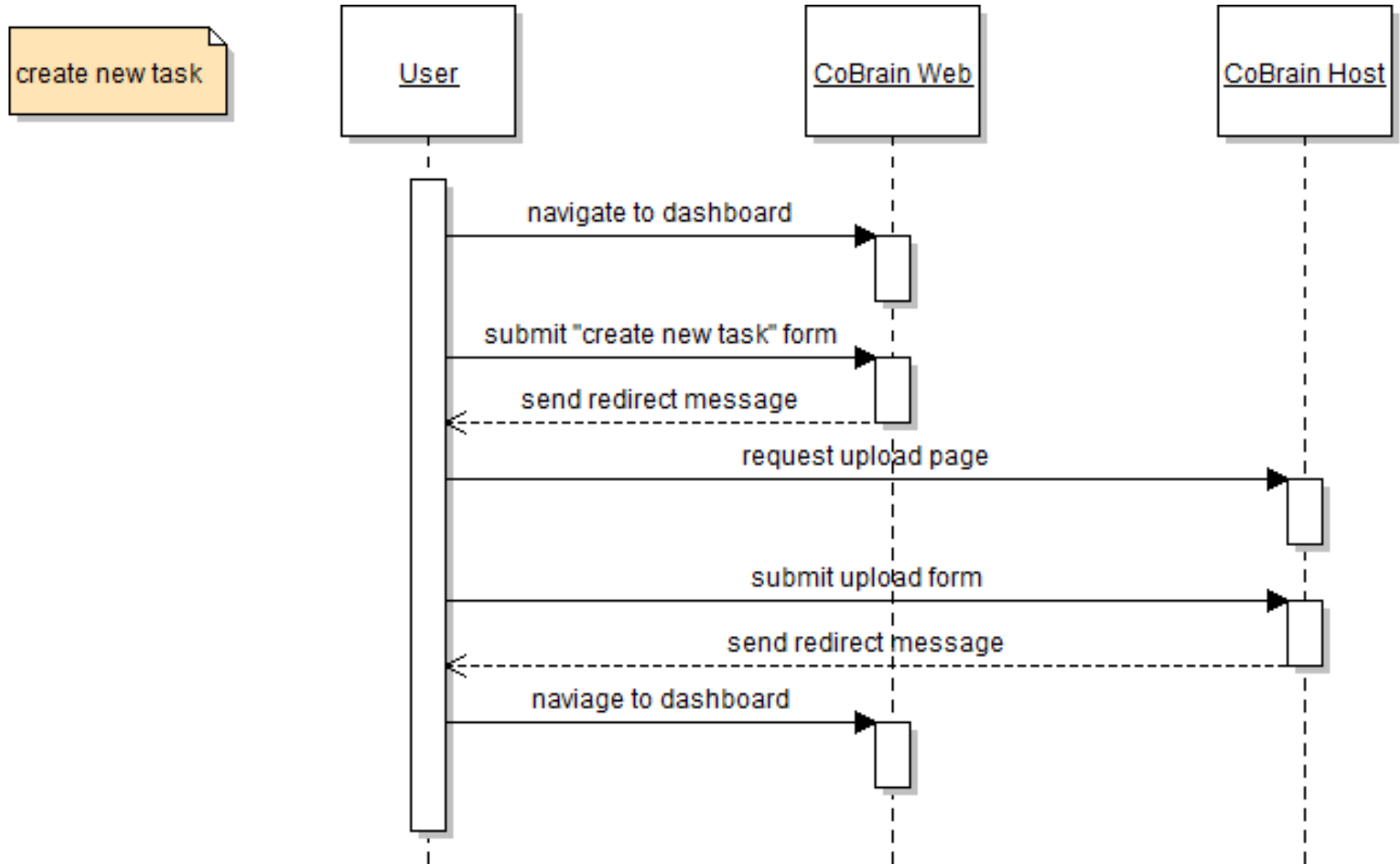
Use Cases



Use Cases (cont'd)



Use Case – create new task



Infrastructure

- Google App Engine

- External Systems

- Google Accounts
 - Google BigTable
 - ...



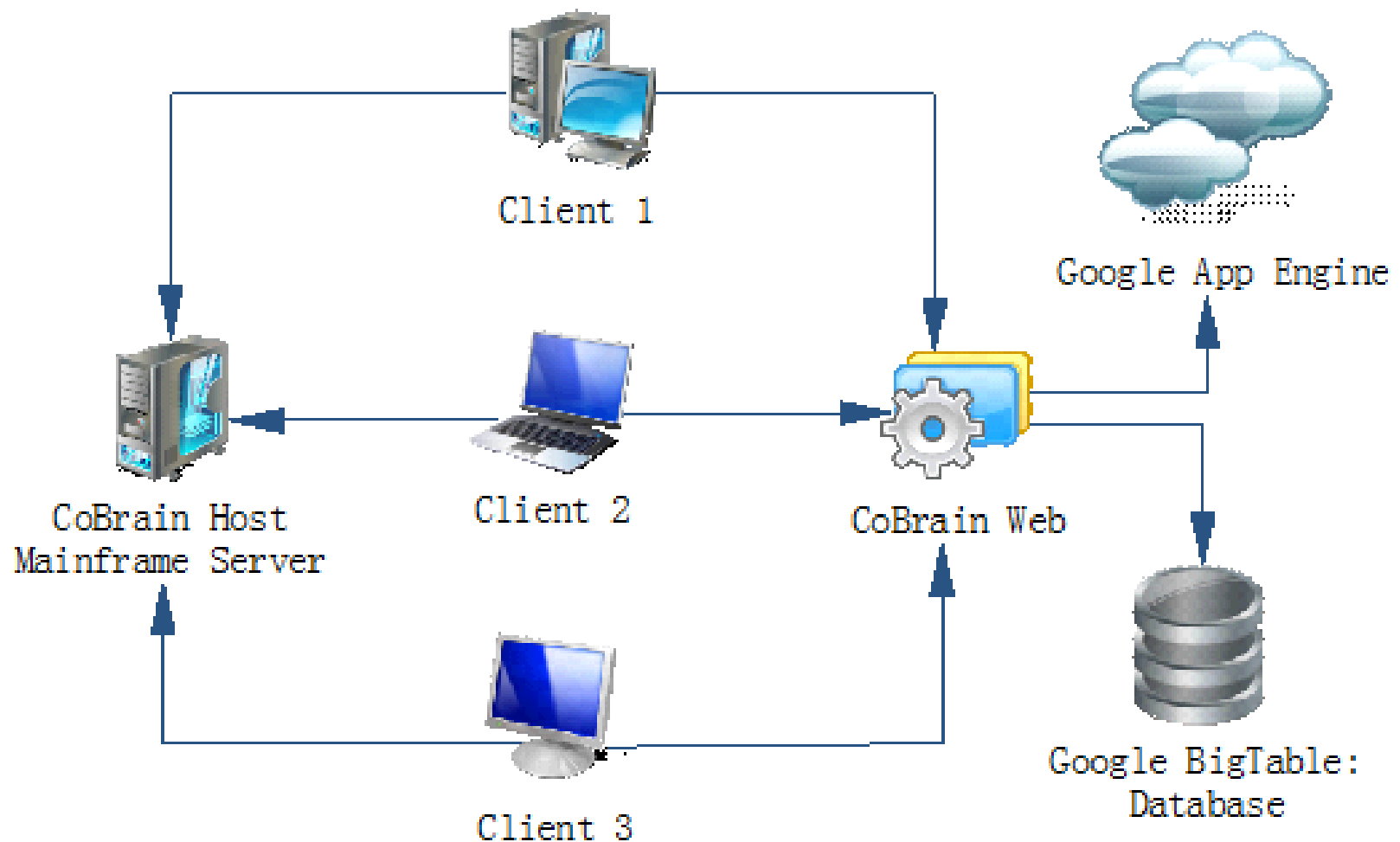
- Play! Framework

- MVC (full stack integrated)

- Groovy templates (like FreeMarker/Velocity)



Infrastructure (cont'd)



View of Participant Classes

controllers

«aspect»
Secure

checkLoggedIn
renderLoggedInUser
myRenderLoggedInUser

«controller»
Application

index
password
setPassword
showTask
addNewTask
login
logout
getCurrentUser

«controller»
Daemon

auth
seturl
getuser
gettask
alltasks
settask

«controller»
Administry

checkIsAdmin
listTasks
deleteTask
listUsers
deleteUser
changeRole

models

«model»
User

id : Long
email : String
role : String
fund : int
password : String

«singleton»
Url

id : Long
address : String

«model»
Task

id : Long
fund : int
title : String
desc : String
active_user : List<String>
progress : double
start_date : String
end_date : String
status : String
author : String

Patterns & Methods Applied

- Singleton Pattern (Url model)
- Adapter Pattern (User model)
- Façade Pattern (Daemon controller)
- Front Controller Pattern
(Application/Administry controller)
- Separate of Concerns (Secure controller)

Always Challenge Miracles

THANK YOU FOR LISTENING