Programming Discussion Forum System

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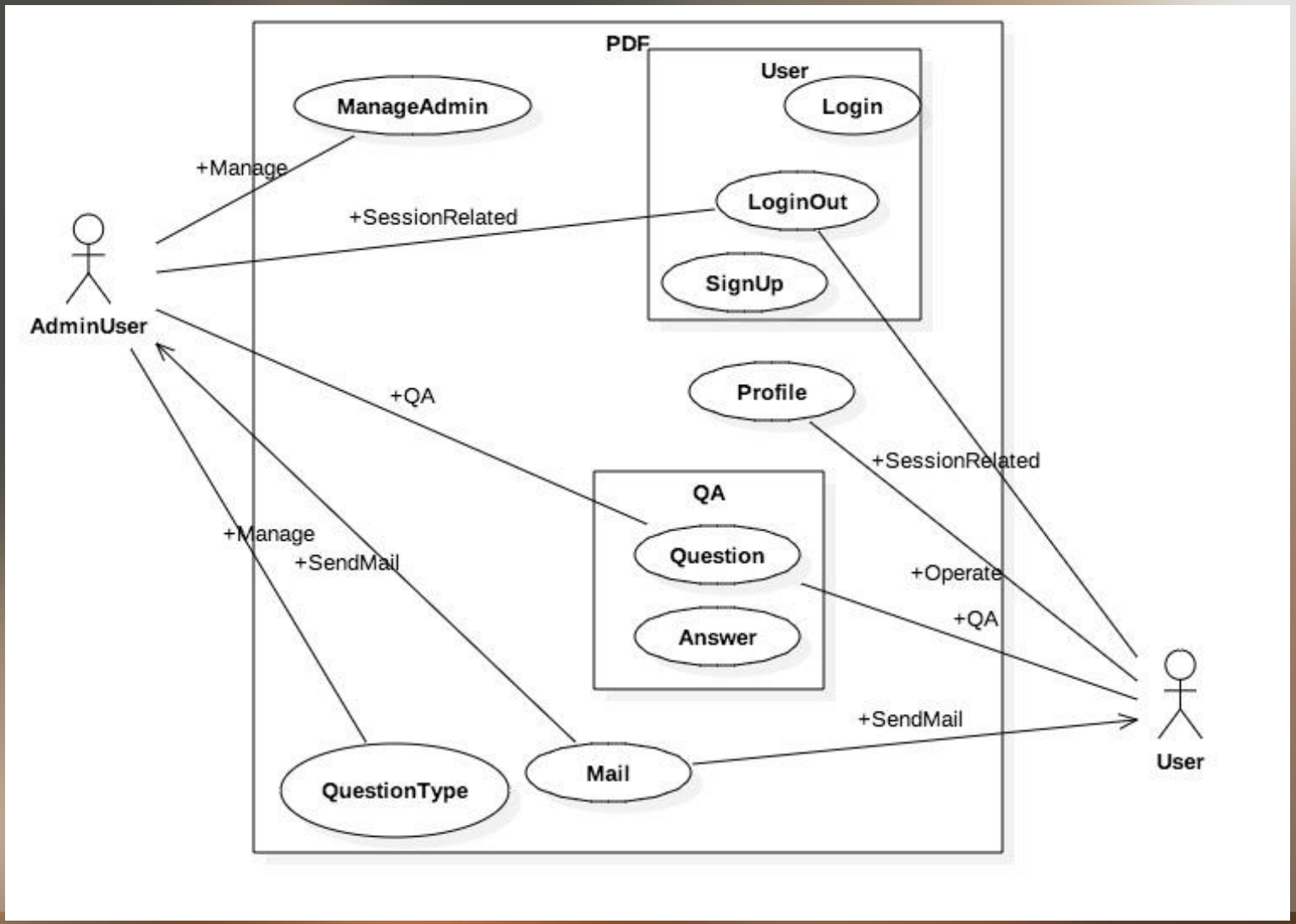
▪Requirement

- All users can visit home page, see the questions and answers clicking on question.
- Also they are able to see all the users registered.
- In order to ask question and answer the question that s/he knows, then s/he should logged in.
- Once logged in, user will be able to see all the comments he made, question asked, and do all CRUD operation on them.

▪Requirement

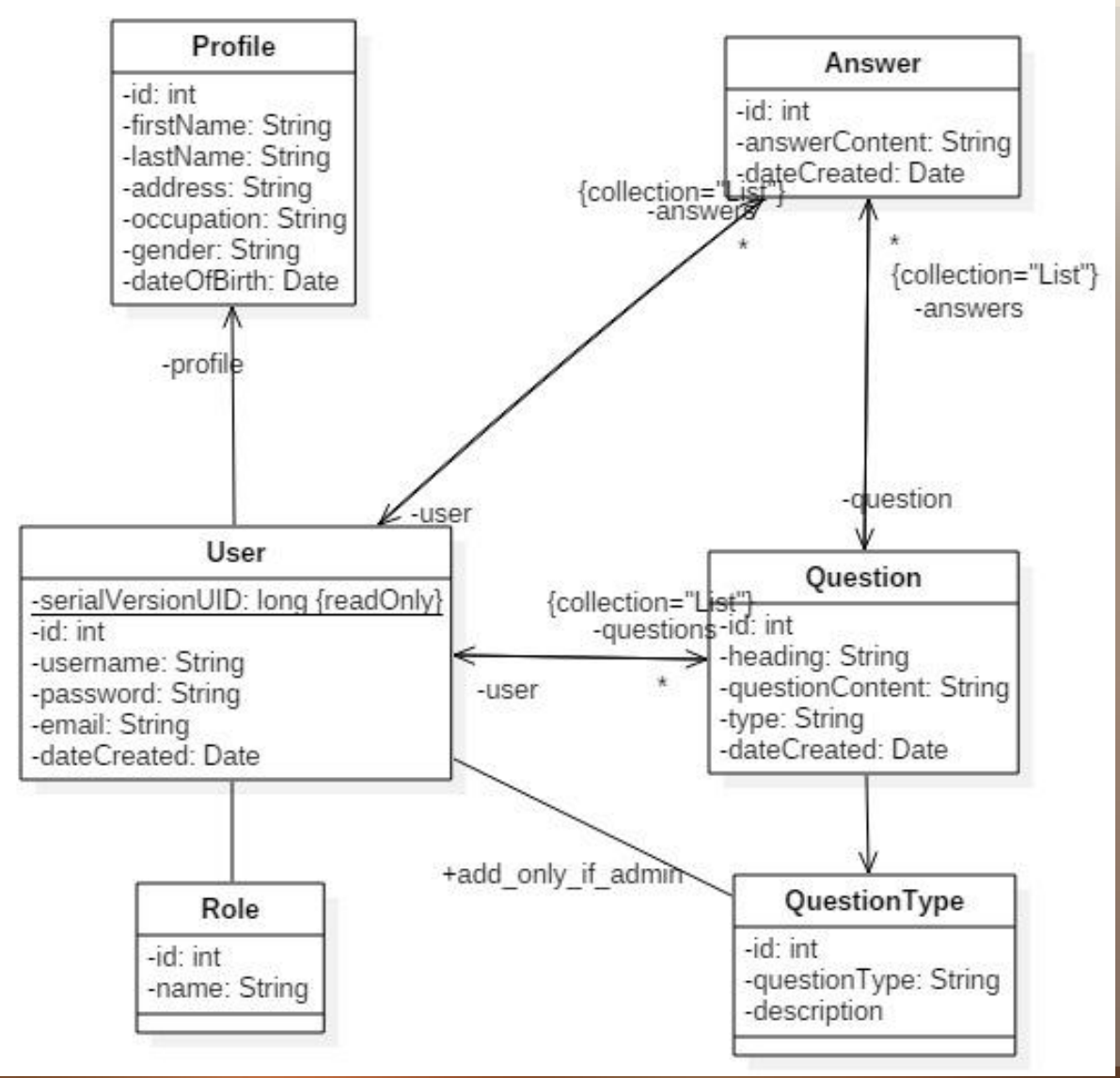
- User won't be able to do CRUD operation on other's post.
- Admin can add, delete or edit question Type.
- User has profile including image and he can do CRUD operation over profile.


PDF
User
ManageAdmin
Login
+Manage
LoginOut
+SessionRelated
SignUp
AdminUser
+QA
Profile
+SessionRelated
QA
+Manage
+SendMail
Question
+Operate
+QA
Answer
+SendMail
User
QuestionType
Mail

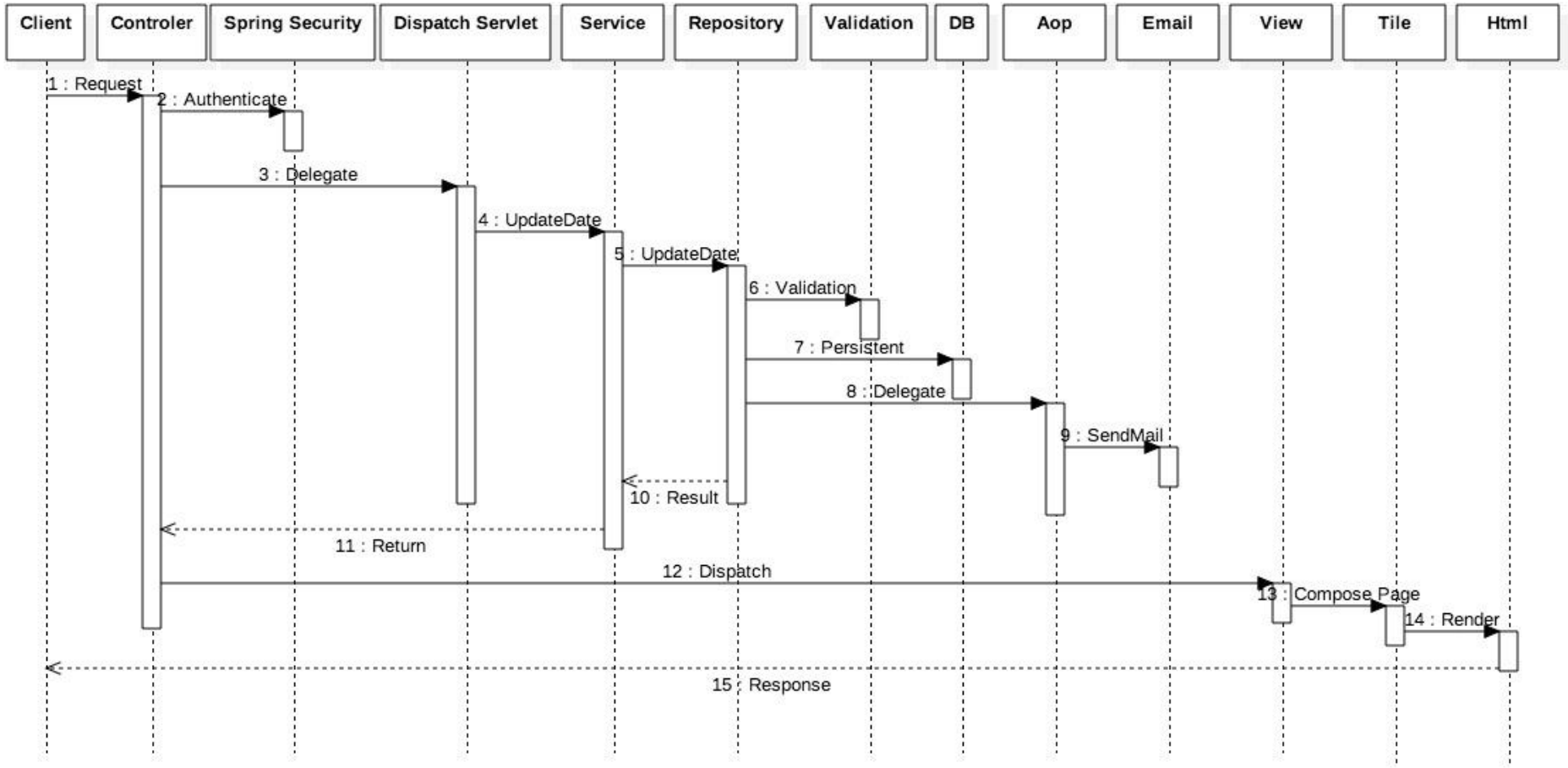
- System Design
  - Spring
    - -Dependency injection
    - -Spring MVC
    - -AOP and Email
    - -Spring Transaction
    - -Hibernate Integration
    - -Spring Security
    - -Validation

- System Design
  - Hibernate
    - -Association Mapping
    - -Object Persistence
  - Front End
    - -JSP & JSTL
    - -Tiles
    - -Three Language Support

- Class Diagram


Profile
-id: int
-firstName: String
-lastName: String
-address: String
-occupation: String
-gender: String
-dateOfBirth: Date
Answer
-id: int
-answerContent: String
-dateCreated: Date
{collection="List"}
-answers
*
*
{collection="List"}
-answers
-profile
-user
-question
User
-serialVersionUID: long {readOnly}
-id: int
-username: String
-password: String
-email: String
-dateCreated: Date
{collection="List"}
-questions
*
-user
Question
-id: int
-heading: String
-questionContent: String
-type: String
-dateCreated: Date
+add_only_if_admin
Role
-id: int
-name: String
QuestionType
-id: int
-questionType: String
-description

- Sequence Diagram


Client
Controler
Spring Security
Dispatch Servlet
Service
Repository
Validation
DB
Aop
Email
View
Tile
Html
1 : Request
2 : Authenticate
3 : Delegate
4 : UpdateDate
5 : UpdateDate
6 : Validation
7 : Persistent
8 : Delegate
9 : SendMail
10 : Result
11 : Return
12 : Dispatch
13 : Compose Page
14 : Render
15 : Response

THANKS