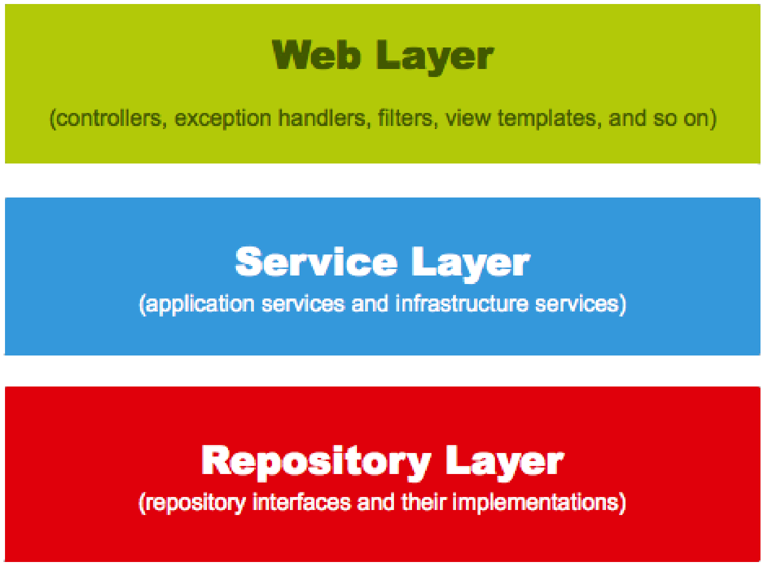
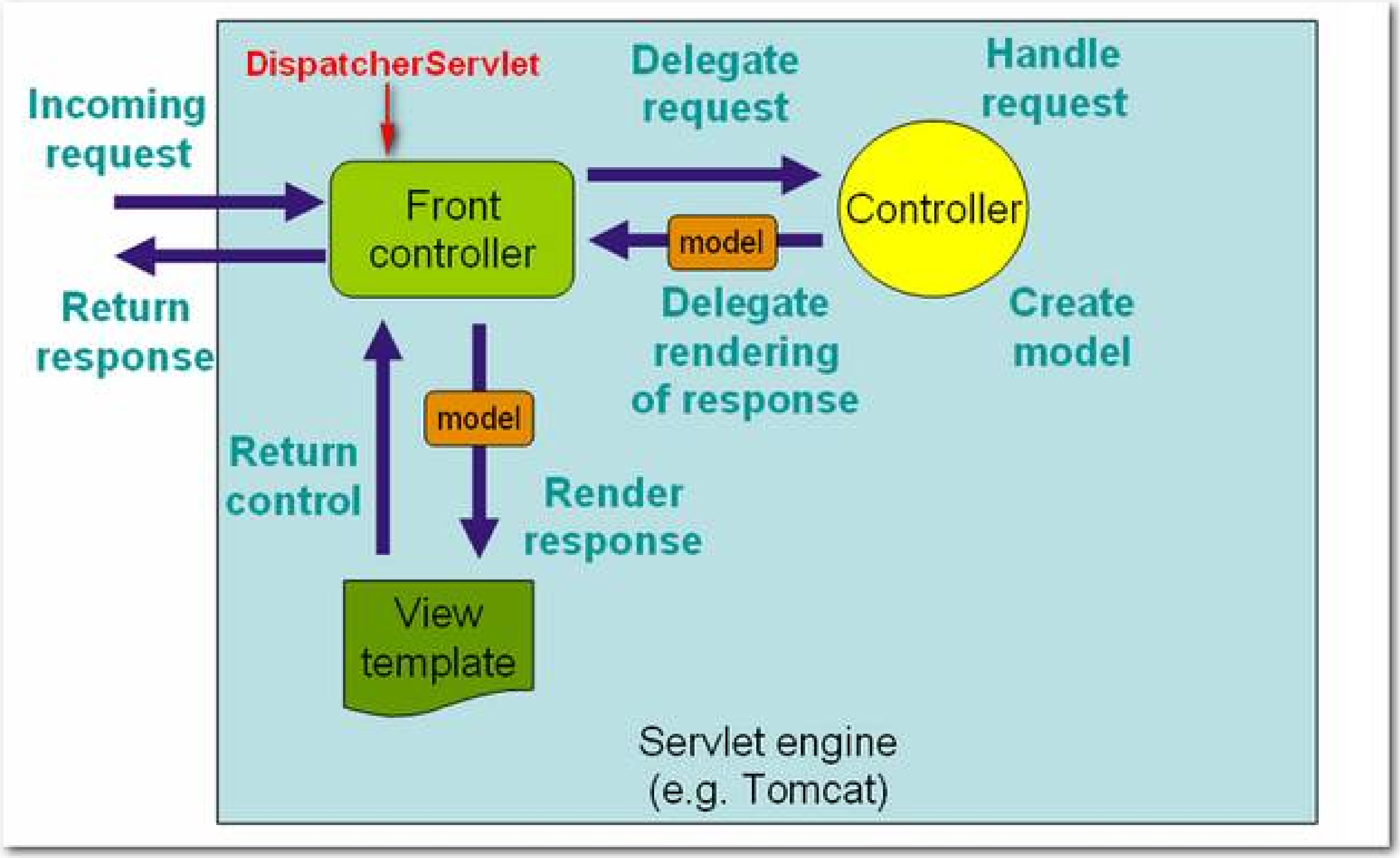
Application Architecture


Web Layer
(controllers, exception handlers, filters, view templates, and so on)
Service Layer
(application services and infrastructure services)
Repository Layer
(repository interfaces and their implementations)

- **The web layer** is the uppermost layer of a web application. It is responsible of processing user's input and returning the correct response back to the user. The web layer must also handle the exceptions thrown by the other layers. Because the web layer is the entry point of our application, it must take care of authentication and act as a first line of defense against unauthorized users.
- **The service layer** resides below the web layer. It acts as a transaction boundary and contains both application and infrastructure services. The **application services** provides the public API of the service layer. They also act as a transaction boundary and are responsible of authorization. The **infrastructure services** contain the "plumbing code" that communicates with external resources such as file systems, databases, or email servers. Often these methods are used by more than a one application service.
- **The repository layer** is the lowest layer of a web application. It is responsible of communicating with the used data storage.

Spring MVC Processing Workflow

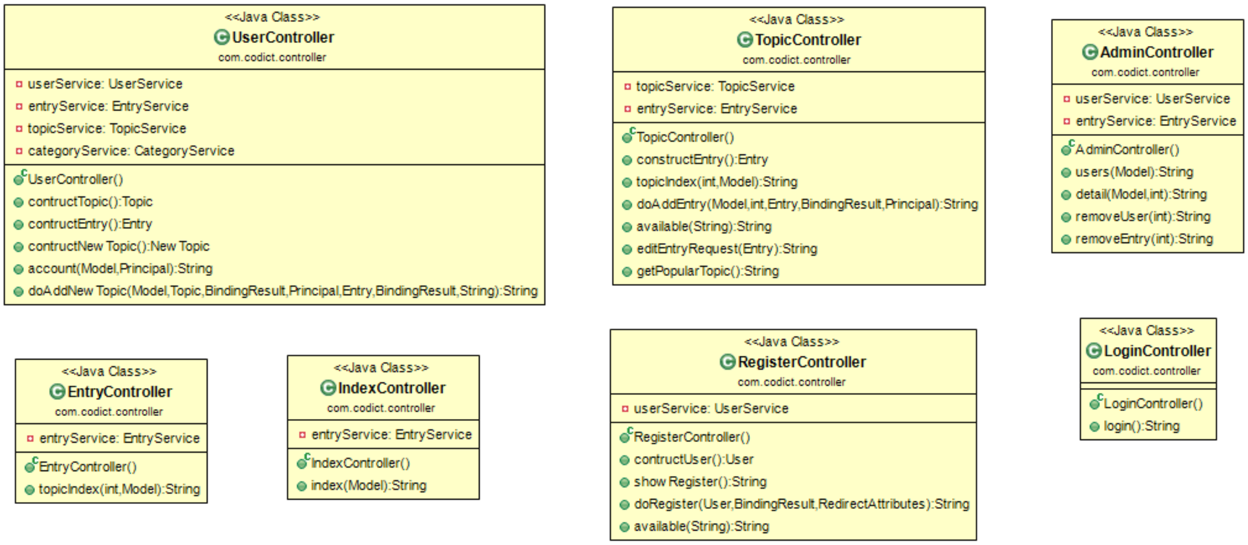


Production Backlog

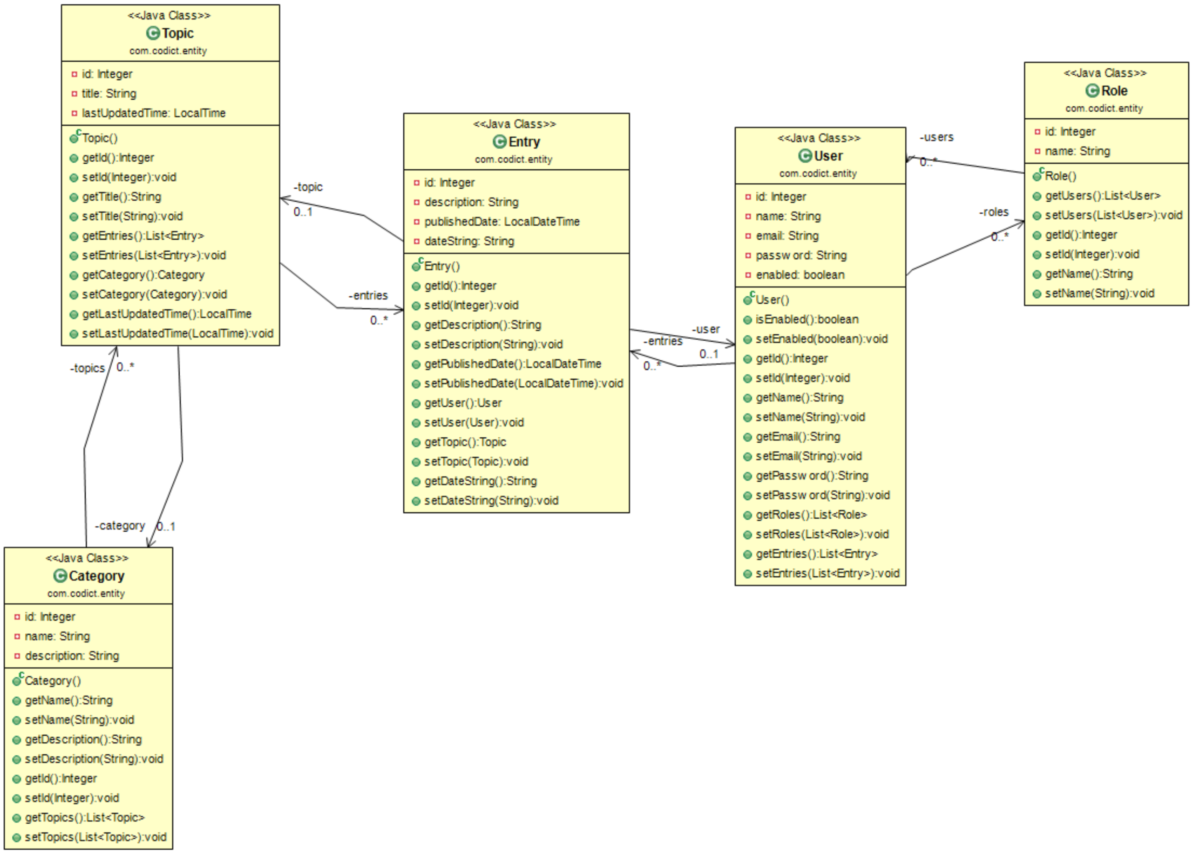
● Most valuable	1 , 2 , 3
● Valuable	6, 9 10, 11,12
● Ought to do	4, 5, 7, 8

ID	Description	Business Value(Priority)	Sprint	Status
1	Create topic	High	1	Done
2	Post entry.	High	1	Done
3	Edit or remove own entries.	High	1	Done
6	Up vote, down vote or favorite an entry	Medium	2	pending
9	Edit own personal informations.	Medium	2	pending
10	Others last activities of favorites, entries etc.	Medium	2	pending
11	Private message.	Medium	2	pending
12	Moderator ables to remove, edit or move entries between the topics.	Medium	2	pending
4	Sort entries by up-voted.	Low	Extra	pending
5	See topic according to specific subtopics.	Low	Extra	pending
7	See hot topics of today and most up-voted entries of yesterday	Low	Extra	pending
8	Search topics by title.	Low	Extra	pending

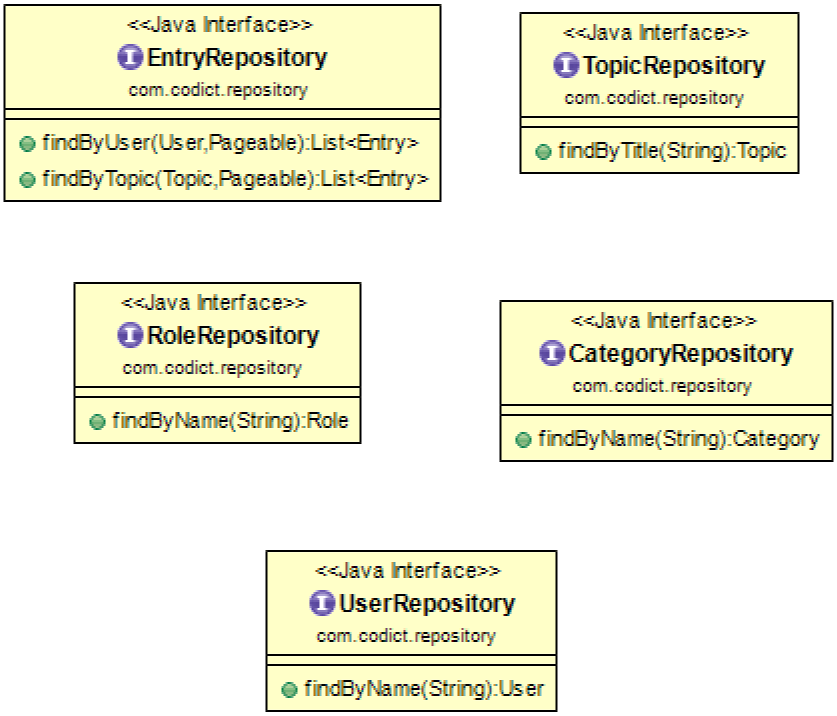
Controller Classes



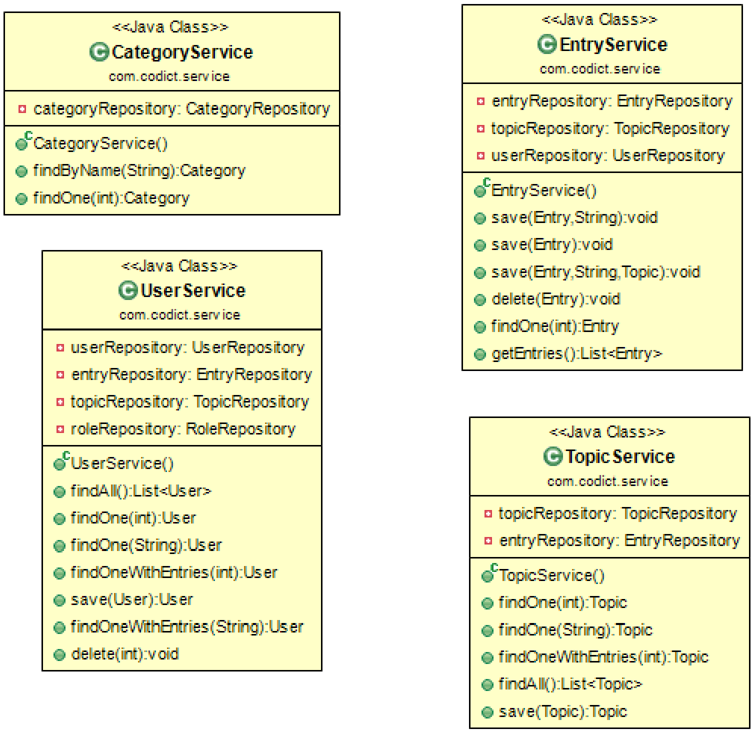
Domain Class



Repository Interfaces



Service Classes



Technologies Used

- Spring MVC Framework
- Spring Security
- Spring Data JPA
- Hibernate
- Apache Tiles
- Jetty Server
- Java ServerPages
- JavaScript

Definition Of Done

- Creating Topic as a registered user
- Sending Entry as a registered user
- Deleting or editing your own entry