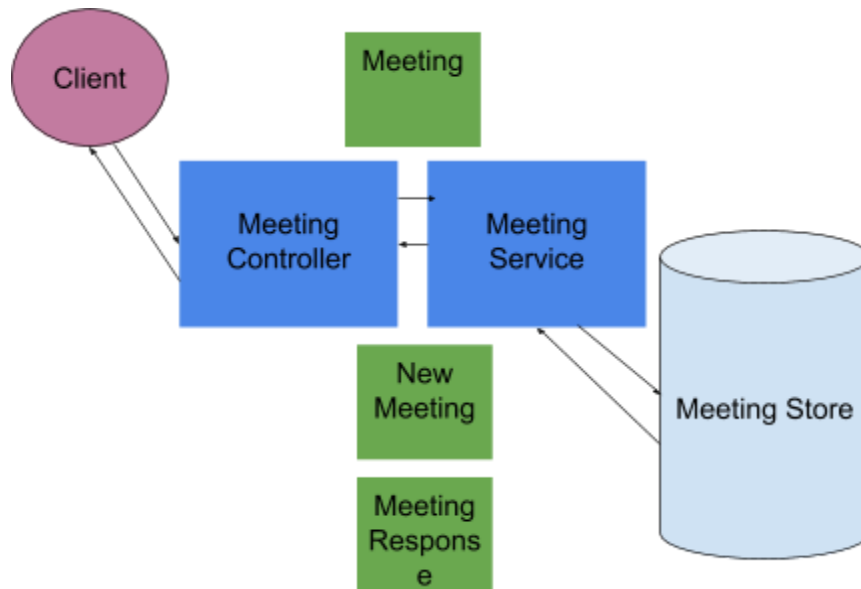


eBay home assignment

The task is to create a web service that offers some operations.

General Explanation about the implementation

In the following print I tried to show the general flow of the application with major classes.



Flow

1. Client sends http requests to the web application
2. Meeting controller gets the requests and forward it to Meeting service
3. Meeting service does the logic and check the action and input are valid if yes the service persist it in Meeting store
4. Meeting store is not a real db but offers an interface that in future will help us to do the transmission to use db more easily.

Model

Meeting - is a kind of data class we get from the client with the necessary input.

New Meeting - similar to meeting but in order to save on modeling and to save the option we would like in the future to change the object we get from client or to change to object we persist, I choose to create a new class that will be persisted.

Meeting Response - is the response we send back to the client. The class contains a short description about some of the operations the user did.

Meeting Coordinator - is a class that saves meetings, our calendar.

Meeting Coordinator - Data Structure		
Date	Day Meetings	
	Total Duration	Meetings
07/07/2020	5	[07/07/2020 02:00, 07/07/2020 04:00, "m1"], [07/07/2020 04:00, 07/07/2020 06:00, "m2"], [07/07/2020 06:00, 07/07/2020 07:00, "m3"]
08/07/2020	2	[08/07/2020 02:00, 08/07/2020 04:00, "m1"]

I choose to use `HashMap<LocalDate, DayMeetings>`

The key is the fromTime date

The value is an `DayMeetings` object that contains 2 members:

1. List of the meeting for the day
2. Total duration of meetings in that day

How to run the project

I use java 8 with intellij, test the application with postman.