

Web Development

Produced
by

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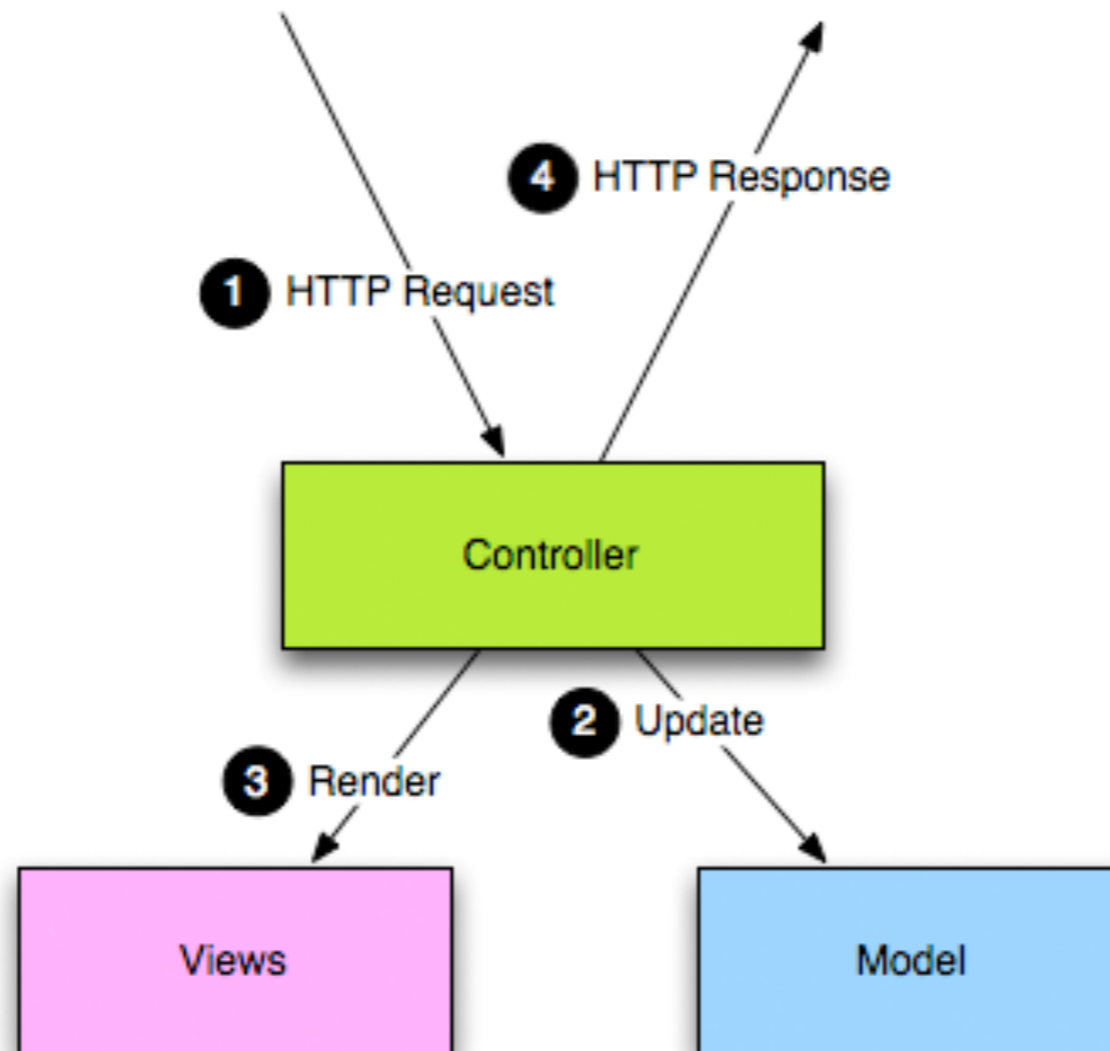


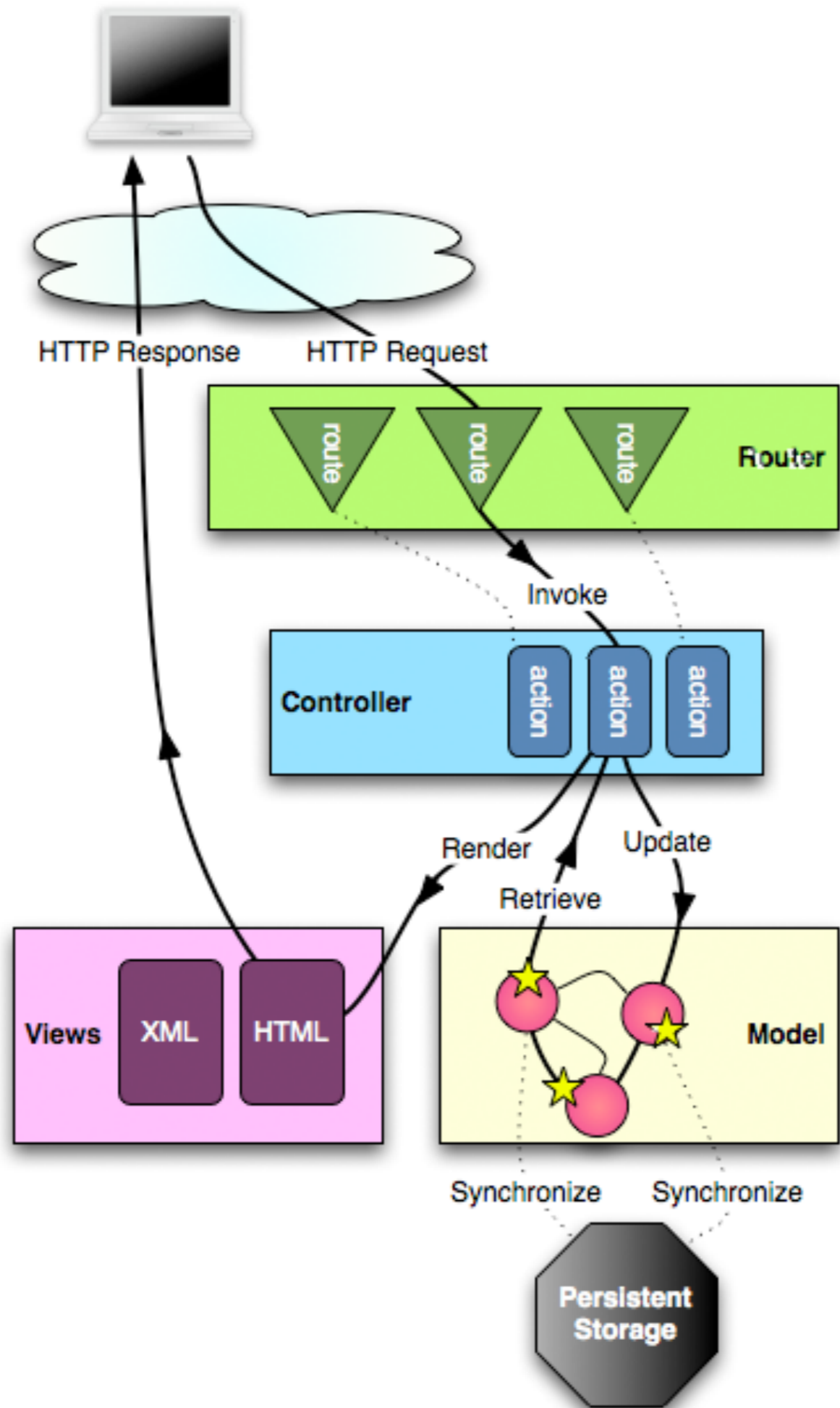
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Review of Spacebook so far

HTTP Request/Response Cycle





Review Routes

GET	/	Accounts.index
# Accounts		
GET	/signup	Accounts.signup
GET	/login	Accounts.login
GET	/logout	Accounts.logout
POST	/authenticate	Accounts.authenticate
POST	/register	Accounts.register
# Home page		
GET	/home	Home.index
GET	/home/drop/{id}	Home.drop
# Members page		
GET	/members	Members.index
GET	/members/follow/{id}	Members.follow
# Profile page		
GET	/profile	Profile.index
POST	/profile/changestatus	Profile.changeStatus
# Public Profiles		
GET	/publicprofile/{id}	PublicProfile.visit

```

public class Accounts extends Controller
{
    public static void signup()
    {
        render();
    }
    public static void login()
    {
        render();
    }
    public static void logout()
    {
        session.clear();
        index();
    }
    public static void index()
    {
        render();
    }
    public static void register(String firstName, String lastName, String email, String password)
    {
        Logger.info(firstName + " " + lastName + " " + email + " " + password);

        User user = new User (firstName, lastName, email, password);
        user.save();

        index();
    }
    public static void authenticate(String email, String password)
    {
        Logger.info("Attempting to authenticate with " + email + ":" + password);

        User user = User.findByEmail(email);
        if ((user != null) && (user.checkPassword(password) == true))
        {
            Logger.info("Authentication successful");
            session.put("logged_in_userid", user.id);
            Home.index();
        }
        else
        {
            Logger.info("Authentication failed");
            login();
        }
    }
}

```

Accounts

GET /signup

GET /login

GET /logout

POST /authenticate

POST /register

Accounts.signup

Accounts.login

Accounts.logout

Accounts.authenticate

Accounts.register

Accounts

Home

Home page

GET /home

Home.index

GET /home/drop/{id}

Home.drop

```
public class Home extends Controller
{
    public static void index()
    {
        String userId = session.get("logged_in_userid");
        User user = User.findById(Long.parseLong(userId));
        render(user);
    }

    public static void drop(Long id)
    {
        String userId = session.get("logged_in_userid");
        User user = User.findById(Long.parseLong(userId));

        User friend = User.findById(id);

        user.unfriend(friend);
        Logger.info("Dropping " + friend.email);
        index();
    }
}
```

Members

Members page

GET /members

Members.index

GET /members/follow/{id}

Members.follow

```
public class Members extends Controller
{
    public static void index()
    {
        List<User> users = User.findAll();
        render(users);
    }

    public static void follow(Long id)
    {
        User friend = User.findById(id);

        String userId = session.get("logged_in_userid");
        User me = User.findById(Long.parseLong(userId));

        me.befriend(friend);

        Home.index();
    }
}
```


Profile

GET	/profile	Profile.index
POST	/profile/changestatus	Profile.changeStatus

```
public class Profile extends Controller
{
    public static void index()
    {
        String userId = session.get("logged_in_userid");
        User user = User.findById(Long.parseLong(userId));
        render(user);
    }

    public static void changeStatus(String statusText)
    {
        String userId = session.get("logged_in_userid");
        User user = User.findById(Long.parseLong(userId));
        user.statusText = statusText;
        user.save();
        Logger.info("Status changed to " + statusText);
        index();
    }
}
```

PublicProfile

```
# Public Profiles  
GET      /publicprofile/{id}      PublicProfile.visit
```

```
public class PublicProfile extends Controller  
{  
    public static void index()  
    {  
        render();  
    }  
  
    public static void visit(Long id)  
    {  
        User user = User.findById(id);  
        Logger.info("Just visiting the page for " + user.firstName + ' ' + user.lastName);  
        render(user);  
    }  
}
```

Review Routes

```
GET      /                               Accounts.index















# Accounts
GET      /signup                       Accounts.signup
GET      /login                       Accounts.login
GET      /logout                      Accounts.logout
POST     /authenticate                 Accounts.authenticate
POST     /register                     Accounts.register

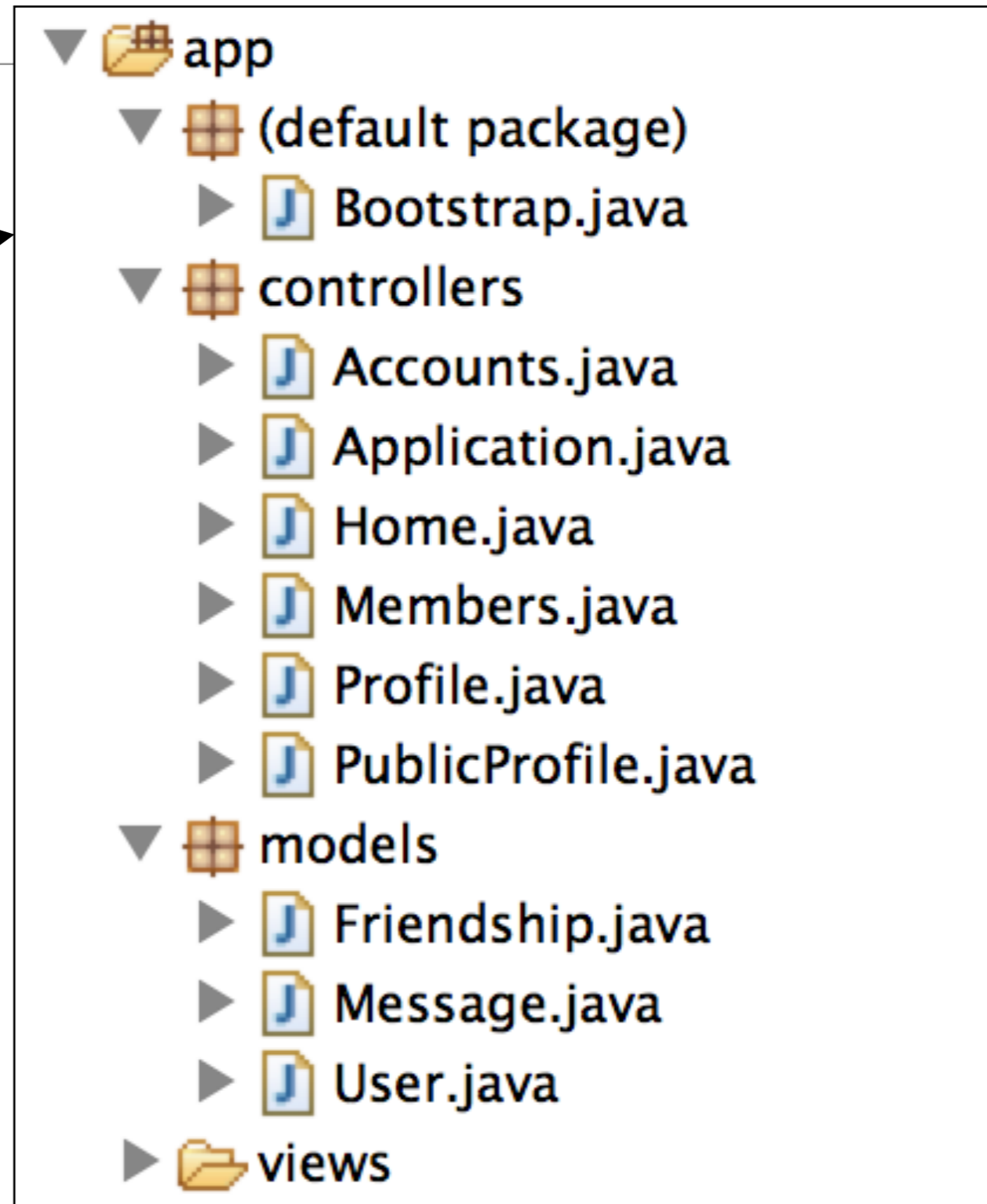
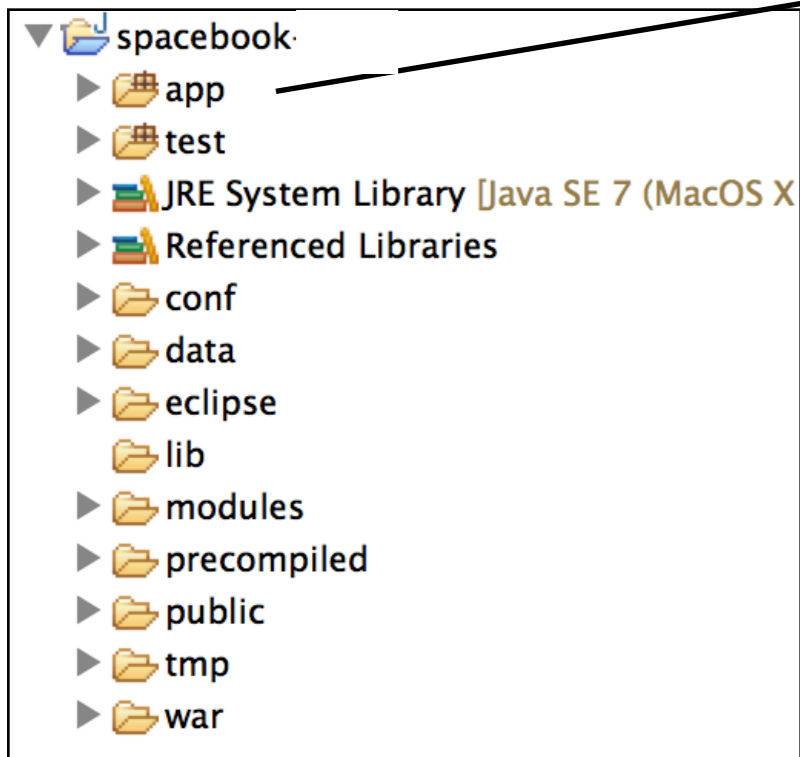
# Home page
GET      /home                        Home.index
GET      /home/drop/{id}              Home.drop

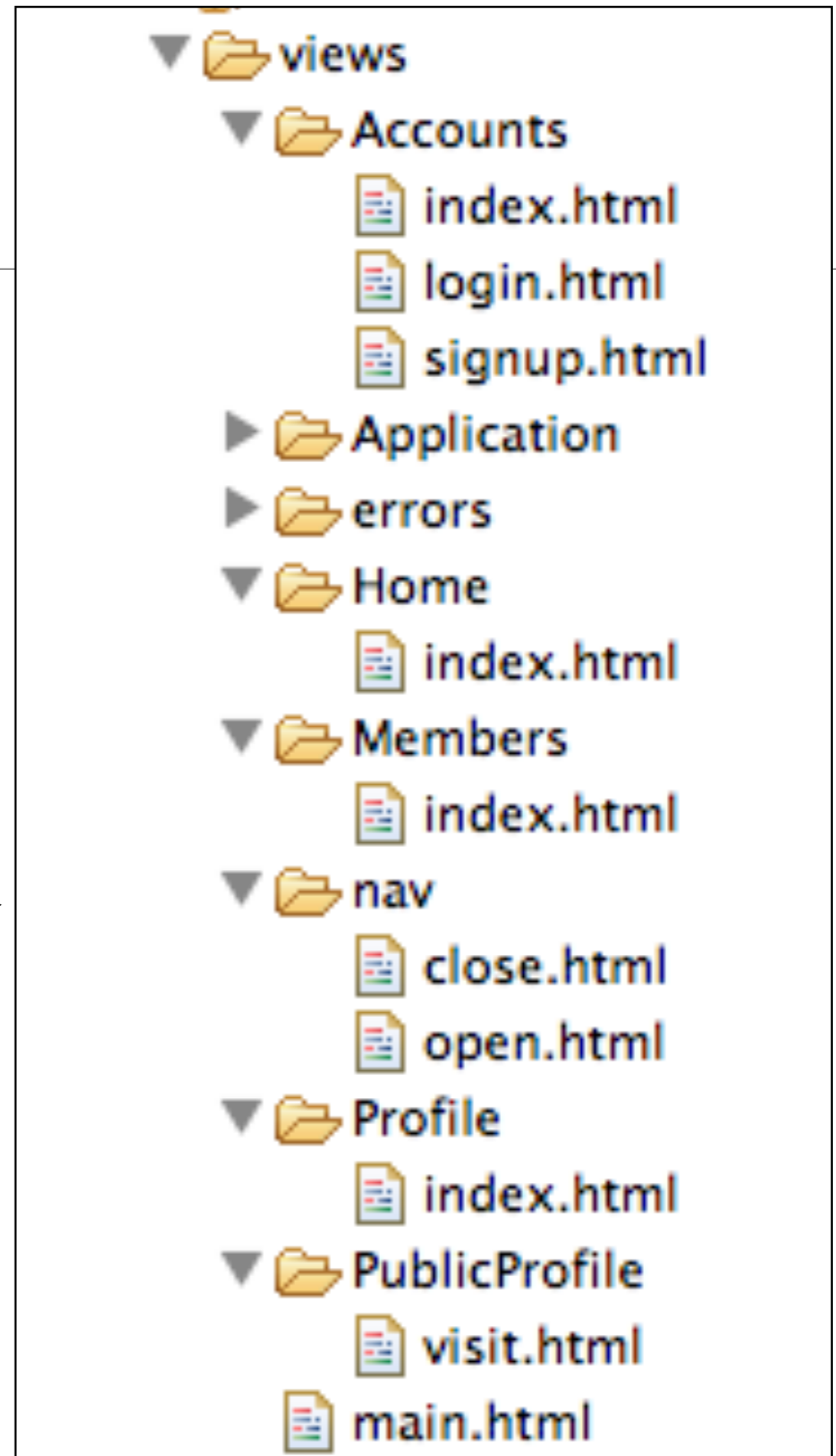
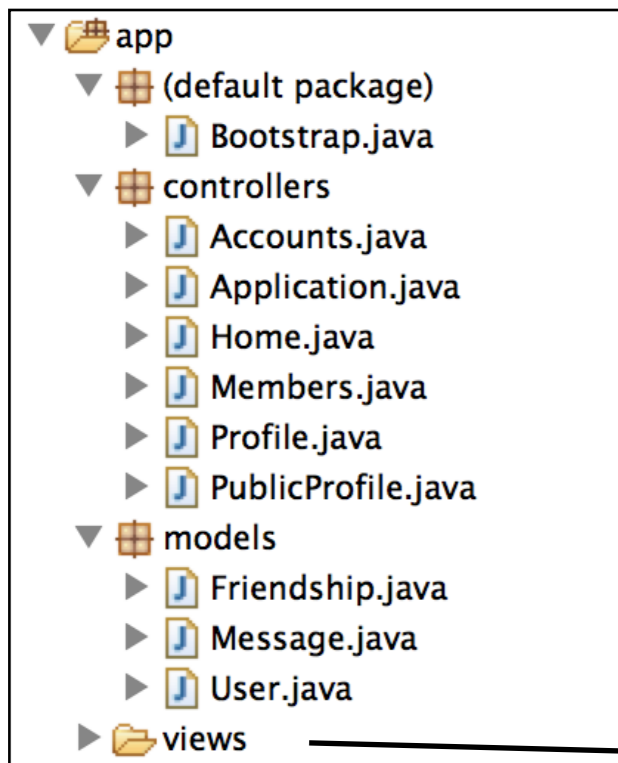
# Members page
GET      /members                     Members.index
GET      /members/follow/{id}         Members.follow

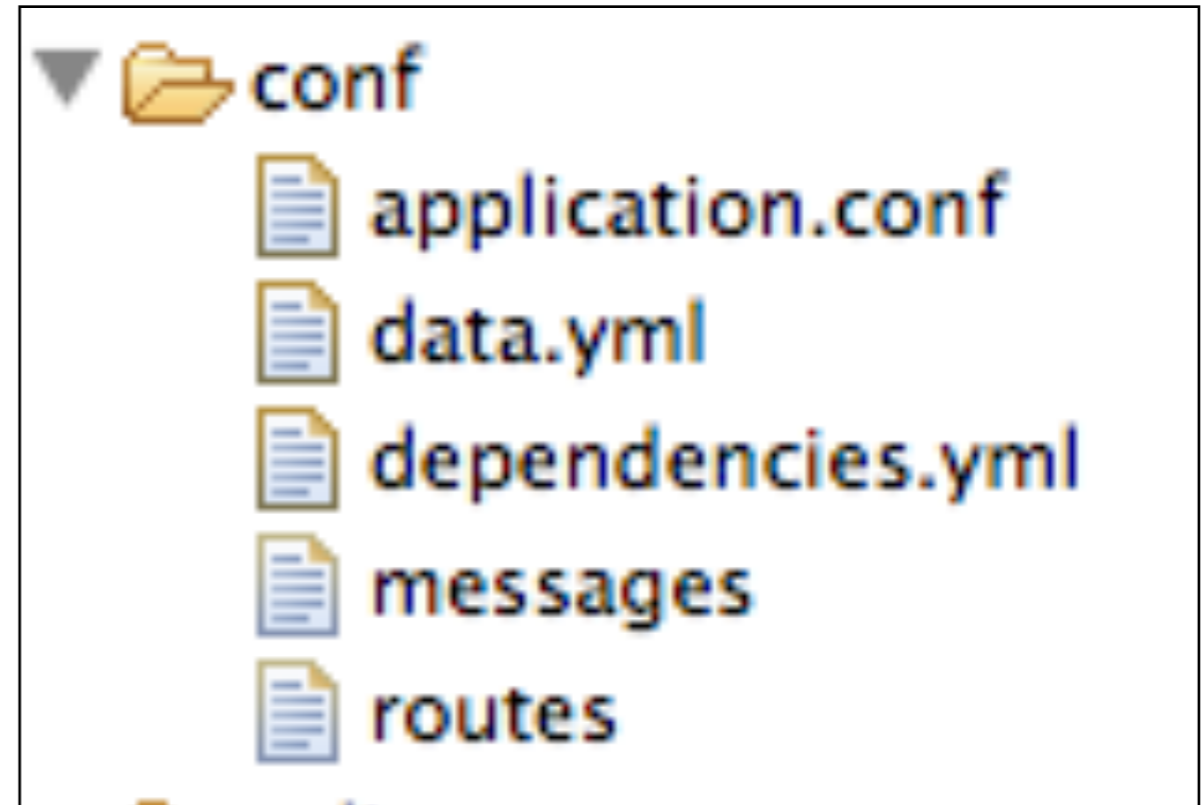
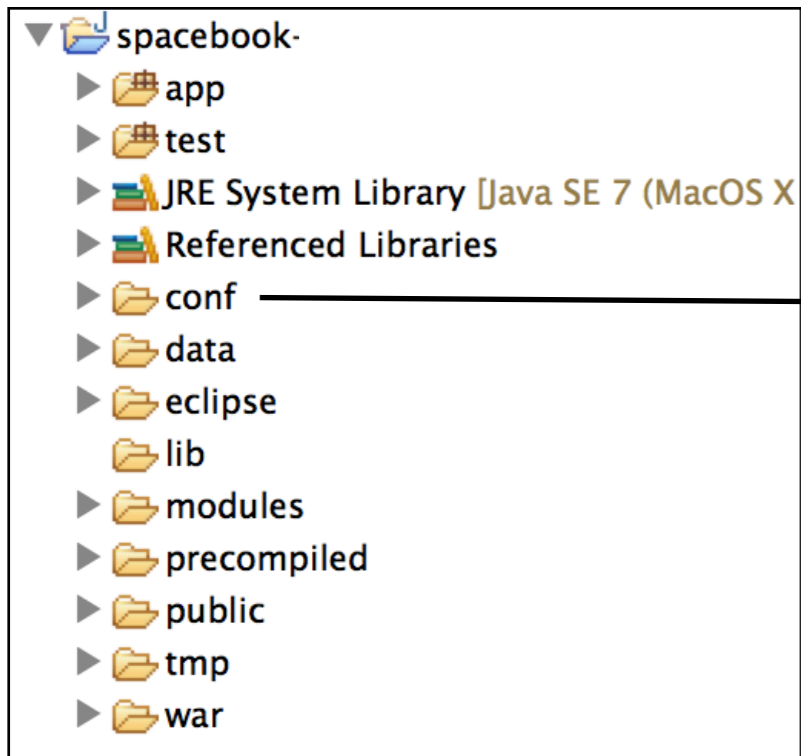
# Profile page
GET      /profile                      Profile.index
POST     /profile/changestatus         Profile.changeStatus

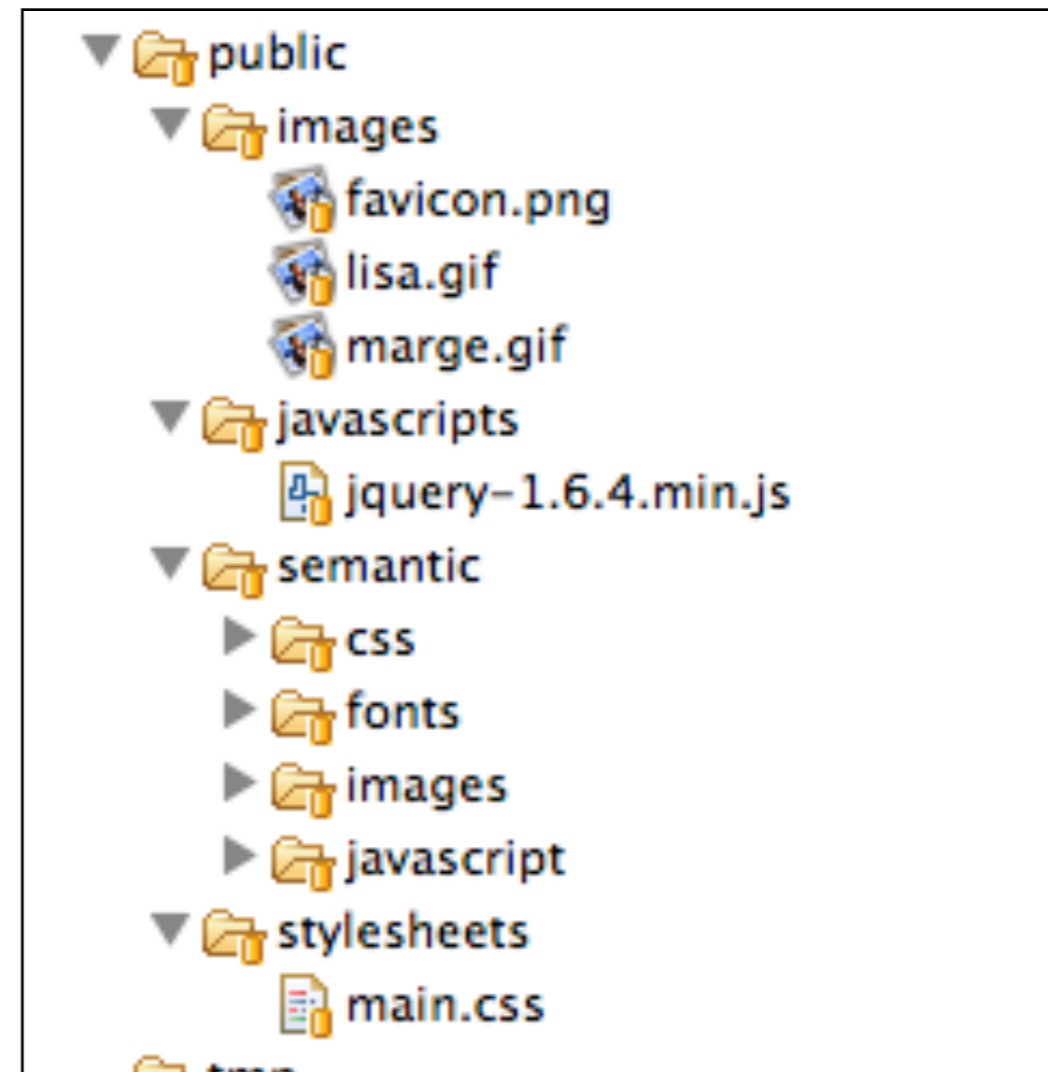
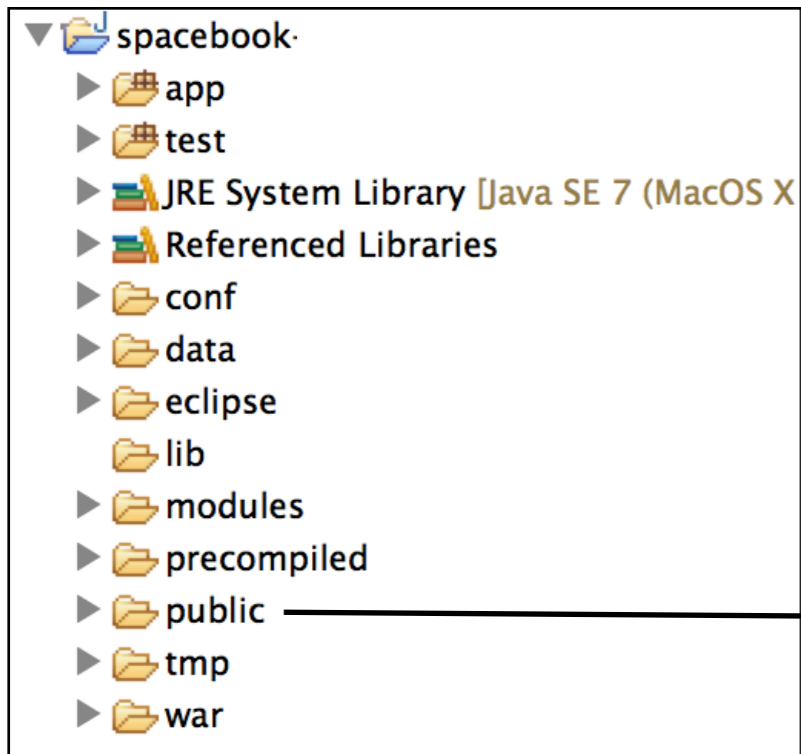
# Public Profiles
GET      /publicprofile/{id}          PublicProfile.visit
```

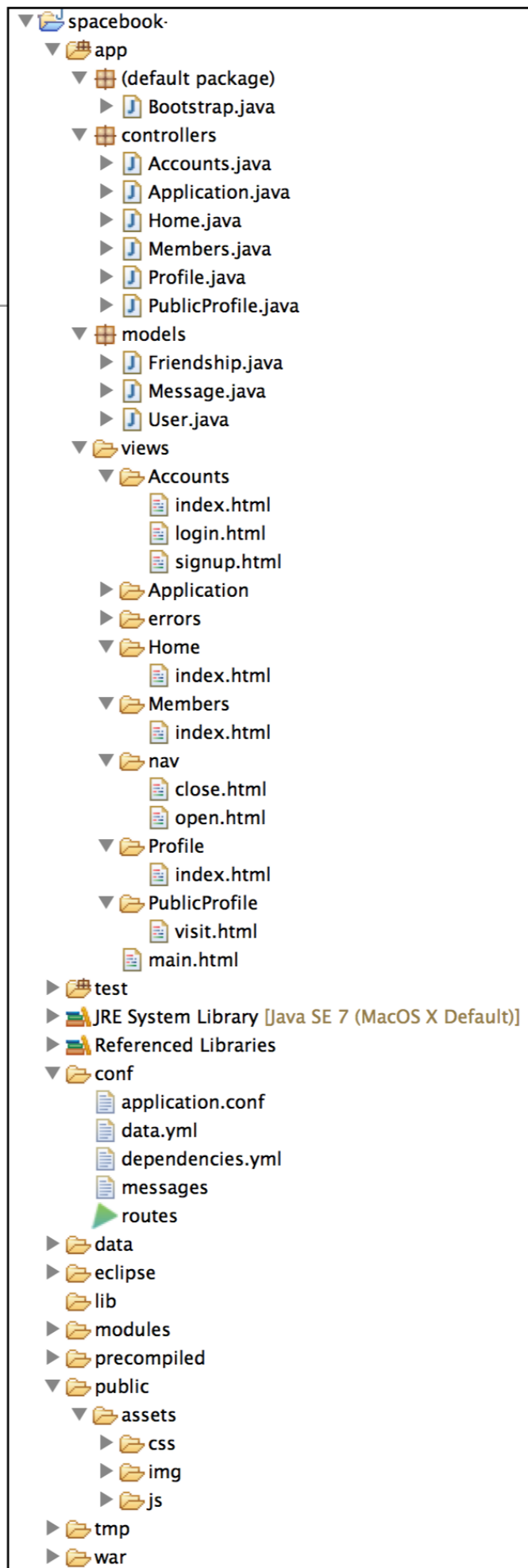
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 - ▶  app
 - ▶  test
 - ▶  JRE System Library [Java SE 7 (MacOS X
 - ▶  Referenced Libraries
 - ▶  conf
 - ▶  data
 - ▶  eclipse
 - ▶  lib
 - ▶  modules
 - ▶  precompiled
 - ▶  public
 - ▶  tmp
 - ▶  war

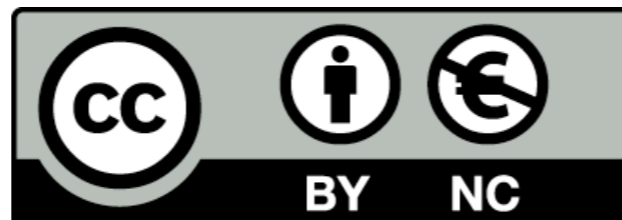












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