Prorg (Agile Project Management Tool)

Ankit Srivastava, Rohit Mehra, Nikhil Sulegaon

Introduction about Prorg

Prorg is a web-based collaboration tool that organizes projects into boards. In one glance, Prorg tells you what's being worked on, who's working on what, and where something is in a process.

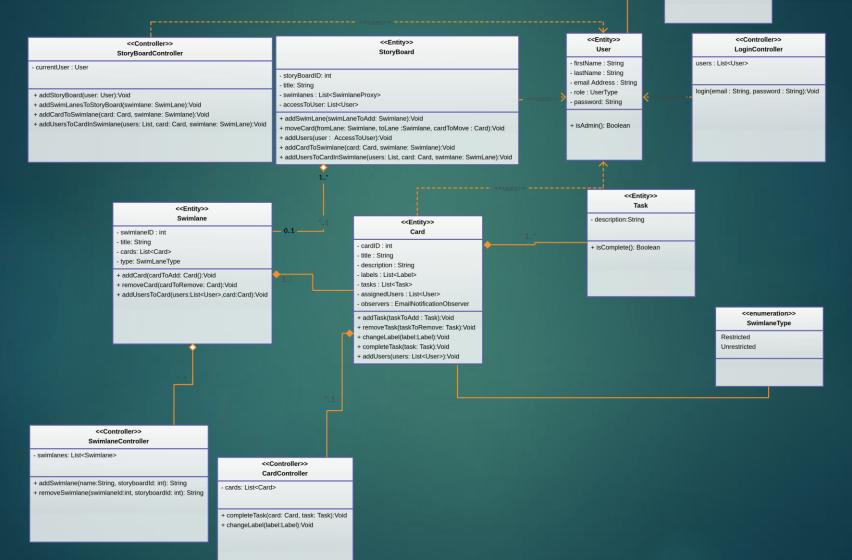
Imagine a white board, filled with lists of sticky notes, with each note as a task for you and your team. Now imagine that each of those sticky notes has photo-attachments. Now imagine that you can take that whiteboard anywhere you go, and can access it from any computer through the web. That's Prorg!

Class Diagram

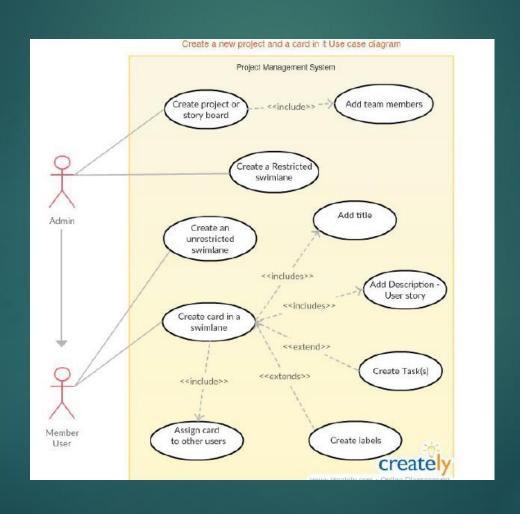
<enumeration>>
UserType

Admin

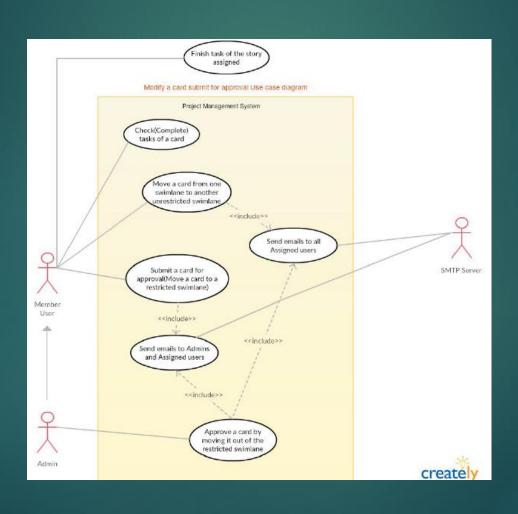
Member



Use Case Diagram-1



Use Case Diagram-2

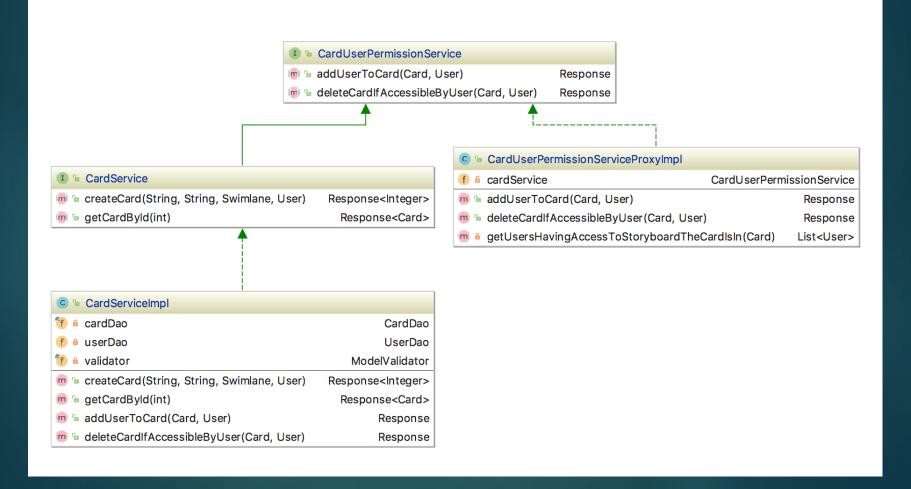


DEMO



Design Patterns

1). Proxy Design Pattern



Design Patterns

2). Custom Design Pattern

```
<u>F</u>ile <u>E</u>dit <u>V</u>iew <u>N</u>avigate <u>C</u>ode Analy<u>z</u>e <u>R</u>efactor <u>B</u>uild R<u>u</u>n <u>T</u>ools VC<u>S W</u>indow <u>H</u>elp
                                                                                                                                                                                        18 → b 🔅 🙉 🔳 🔥
CSCI-5448-Project-Mgm-Tool > src > main > iava > com > prorg > mhelper > mresult > Response
                                          😌 🖶 🗱 storyboard.jsp 🗵 © Response.java 🗵 © CardServiceImpl.java 🗵 © CardService.java 🗵 🗓 StoryboardService.java 🔻 🕲 LoginInterceptor.java 🗡 🕲 ValidationResponse.java
           controller
                                                              package com.prorg.helper.result;
             ▼ 🛅 auth
                                                              import ...
                                                        3
                   CoginController
                                                        6
                   RegisterController
                                                              public class Response<T> {
                CardController
                                                                  private T result;
                                                        8
                                                        9
                IndexController
                                                       10
                                                                  private List<String> errors;
                StoryboardController
                SwimlaneController
                                                                  private Response(T result, List<String> errors) {
           ▶ 🛅 dao
                                                       13
                                                                       this.result = result:
           ▼ la helper
                                                                       this.errors = errors;
                                                       14
                                                       15
              contraint
                                                       16
                   @ FieldMatch
                                                       17 @
                                                                  public static Response SuccessEmptyPayload() { return Success(new Object()); }
                   PasswordHashMatch
                                                       20
              ▼ result
                                                       21 @
                                                                   public static <T> Response<T> Success(T result) { return new Response<>(result, new ArrayList<>()); }
                                                       24
                   Response
                                                       25 @
                                                                   public static <T> Response<T> Failure(List<String> errors) { return new Response<> ( result: null, errors); }
                   ValidationResponse
                                                       28
              ▼ □ validator
                                                       29 @
                                                                   public static <T> Response<T> Failure(String error) { return Failure(Collections.singletonList(error)); }
                  © FieldMatchValidator
                                                       32
                  ModelValidator
                                                       33
                                                                   public boolean isSuccessful() { return errors.isEmpty(); }
                   PasswordHashMatchValidator
                                                       36
                                                       37
                                                                  public T data() throws Exception {
                Constants
                                                                       if (result == null)
                                                       38
                Password
                                                                           throw new Exception("Save failed, no serial id");
                                                       39
           ▼ interceptor
                                                       40
                                                                       return result;
                                                       41
                © LoginInterceptor
                                                       42
           model
                                                       43
                                                                  public List<String> errors() { return errors; }
                                                       46
                © Storyboard
                                                       47
                Swimlane
                User
           ▶ Impl

▼ Droxy

                     CardUserPermissionServiceProxyImpl
                  CardUserPermissionService
                CardService
                StoryboardService
                SwimlaneService
                UserService
```

Technologies

- We have used the following technologies in our project.
- 1). Spring MVC
- 2). Hibernate as ORM.
- 3). Gradle build script to run application.
- 4). Jetty Server to run the project.

Creative Edge

- Migration Scripts
- Custom Hibernate Validations
- Namespacing String Constants
- Heroku Deployment

Thanks ©