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CECS 323 SEC 09

Class Descriptions and Associations

Stakeholder Class
Stakeholders could be part of a scrum team. This will include a list of stakeholders roles in the scrum team. The scrum team ID will be associate with the stakeholders to state that the stakeholder belongs within that particular scrum team. For each stakeholders, there will be CRUD operations

Sprint Team Members Class
In order to form a Sprint Team, we need Sprint Team Members. Each team members need to have their own ID number, their name associate to that ID number, and the ID of the Sprint team. CRUD operations will able to add and delete any additional members to the team.

Sprint Team Class
There are many Sprint teams associate with one scrum team, which conclude the one-to-many relationship between Sprint Team class and Scrum Team class. Also, this class includes a list of team members name of the Scrum Team.

Sprint Class
This class represents each sprints of the scrum project. Each Sprint run has its specific ID number, the start date of the sprint, end date of the sprint, the status of the project. The foreign keys for this class include the sprint team ID and sprint team members. By the end of the sprint, there will be a report on what each sprint have achieve and what is missing.

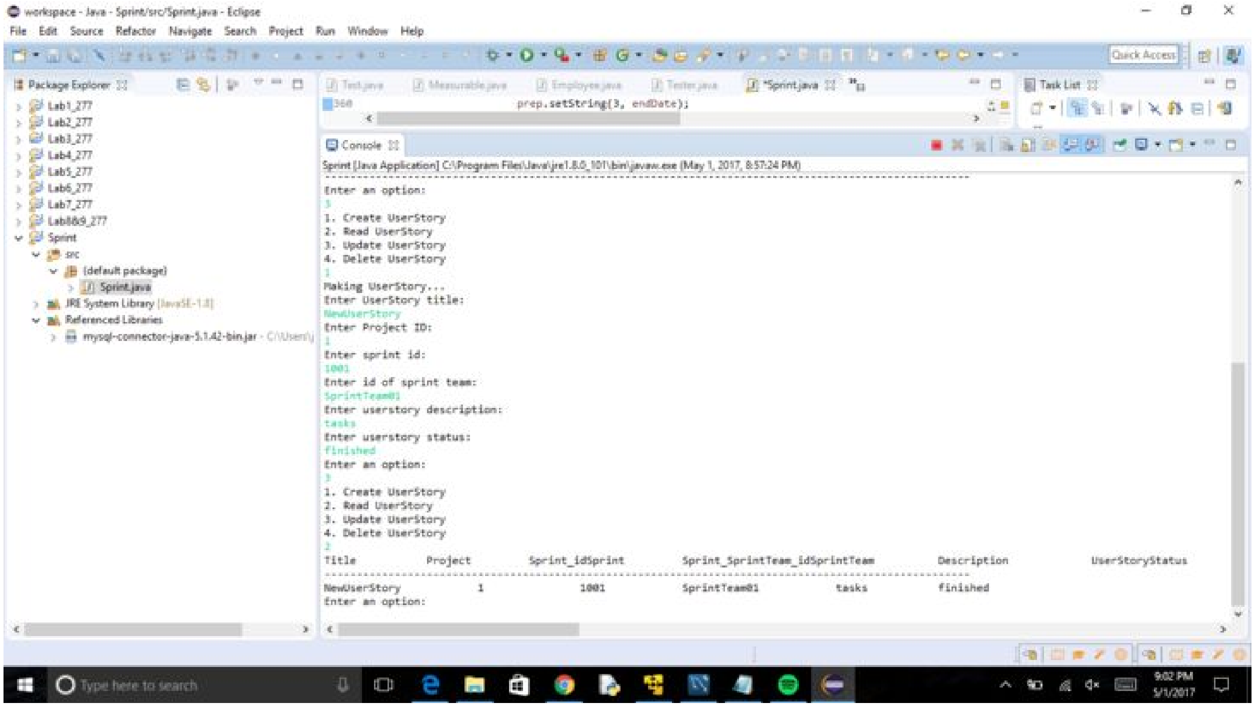
User Story Class
Each Sprint will be including a user story. For each user story, it will be having its title, the project of the scrum, user story status, and inherit the Sprint ID from Sprint class. User story will be able to state the purpose of the sprint, the end result of the sprint, and the current status of the project.

Task Class

Task class function will be describing what is need to be done in the sprint. In order for task class to function correctly, all the data from user story are going to be included as foreign keys, and also the ID of the sprint.

Denormalization Paragraphs

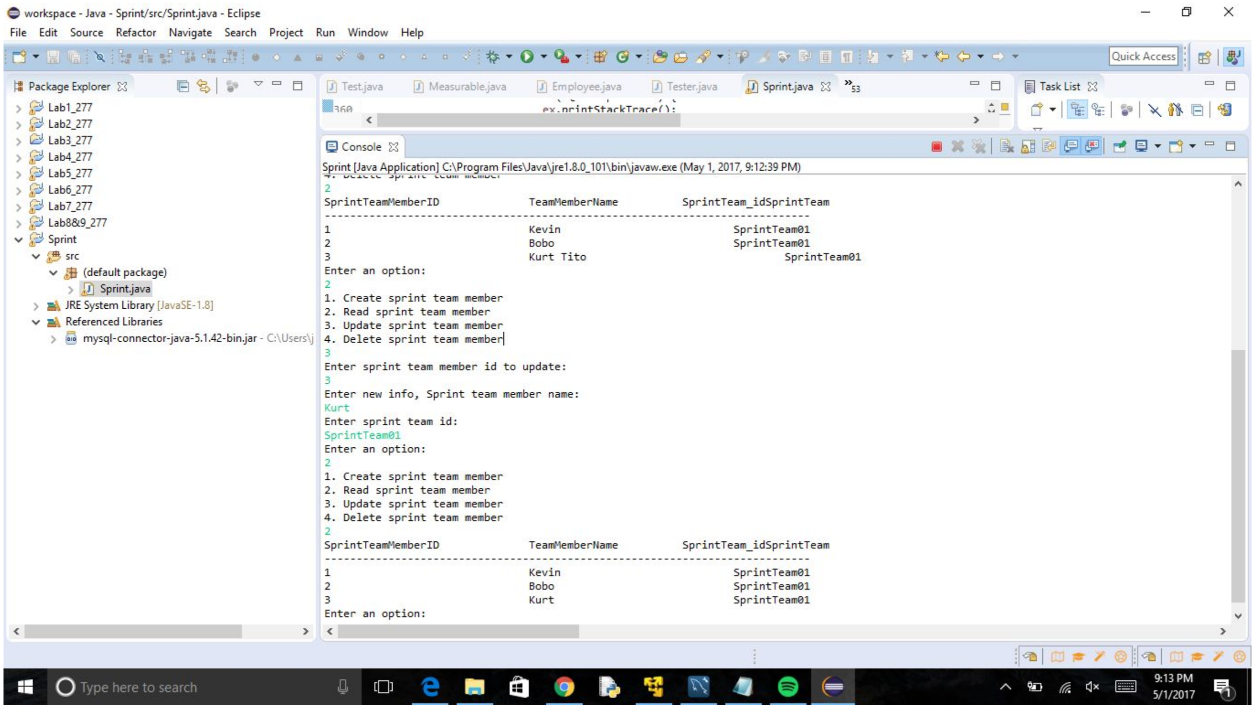
Task and UserStory share the same Title,Project,UserStoryStatus. These 2 tables could be combine into UserStory itself, which allow user to have the description of the task for the user story directly instead of accessing 2 separate tables. We are also denormalize information of the User status into UserStatus attribute in UserStory table. We are able to store unique information into one variable in order to reduce storage.



```
prep.setString(3, endDate);
```

Sprint [Java Application] C:\Program Files\Java\jre1.8.0_101\bin\javaw.exe (May 1, 2017, 8:57:24 PM)

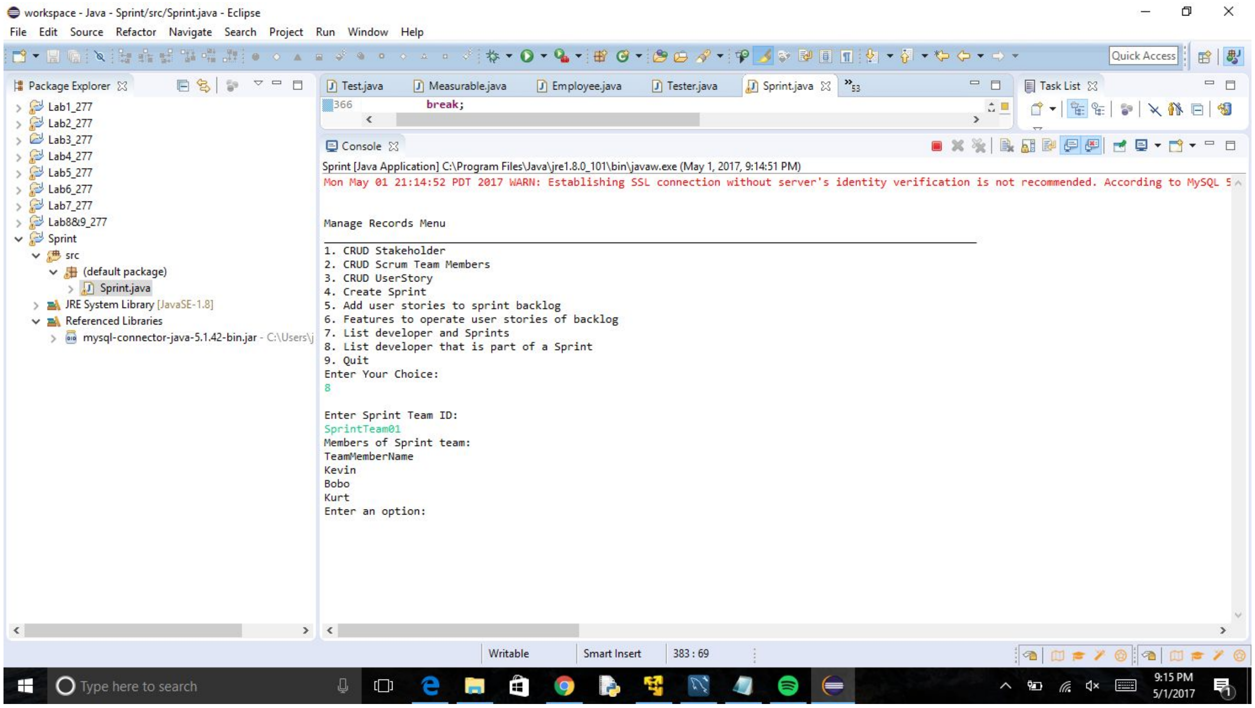
```
-------------------------------------------------------------------------------------------------------
Enter an option:
3
1. Create UserStory
2. Read UserStory
3. Update UserStory
4. Delete UserStory
1
Making UserStory...
Enter UserStory title:
NewUserStory
Enter Project ID:
1
Enter sprint id:
1001
Enter id of sprint team:
SprintTeam01
Enter userstory description:
tasks
Enter userstory status:
finished
Enter an option:
3
1. Create UserStory
2. Read UserStory
3. Update UserStory
4. Delete UserStory
2
Title          Project        Sprint_idSprint        Sprint_SprintTeam_idSprintTeam        Description          UserStoryStatus
-------------------------------------------------------------------------------------------------------
NewUserStory          1              1001            SprintTeam01             tasks          finished
Enter an option:
```



```
360                     ex.printStackTrace();
```

Sprint [Java Application] C:\Program Files\Java\jre1.8.0_101\bin\javaw.exe (May 1, 2017, 9:12:39 PM)

```
4. Delete sprint team member
2
SprintTeamMemberID              TeamMemberName          SprintTeam_idSprintTeam
----------------------------------------------------------------------------
1                               Kevin                           SprintTeam01
2                               Bobo                            SprintTeam01
3                               Kurt Tito                               SprintTeam01
Enter an option:
2
1. Create sprint team member
2. Read sprint team member
3. Update sprint team member
4. Delete sprint team member
3
Enter sprint team member id to update:
3
Enter new info, Sprint team member name:
Kurt
Enter sprint team id:
SprintTeam01
Enter an option:
2
1. Create sprint team member
2. Read sprint team member
3. Update sprint team member
4. Delete sprint team member
2
SprintTeamMemberID              TeamMemberName          SprintTeam_idSprintTeam
----------------------------------------------------------------------------
1                               Kevin                           SprintTeam01
2                               Bobo                            SprintTeam01
3                               Kurt                            SprintTeam01
Enter an option:
```



```
366             break;
```

Sprint [Java Application] C:\Program Files\Java\jre1.8.0_101\bin\javaw.exe (May 1, 2017, 9:14:51 PM)

```
Mon May 01 21:14:52 PDT 2017 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5


Manage Records Menu
______________________________________________________________________________
1. CRUD Stakeholder
2. CRUD Scrum Team Members
3. CRUD UserStory
4. Create Sprint
5. Add user stories to sprint backlog
6. Features to operate user stories of backlog
7. List developer and Sprints
8. List developer that is part of a Sprint
9. Quit
Enter Your Choice:
8

Enter Sprint Team ID:
SprintTeam01
Members of Sprint team:
TeamMemberName
Kevin
Bobo
Kurt
Enter an option:
```