

Universidad de las Fuerzas Armadas ESPE Object Oriented Programming

NRC: 14575

Homerwork #5

Topic: Project funding and object modeling

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Student: Antonio Revilla

NAME	Selected (⋞∕)	Not selected (X)
1. Task	⋞	
2. Users	⋞	
3. Types of tasks	৶	
4. Reminders	⋞	
5. Daily messages	⋞	
6. Daily Agenda		×
7. Calendar		×
8. Reporting		×
9. Graphs		×
10. Challenges		×
11. Notifications	৶	
12. System		×
13. Creation Date		×
14. Specific Projects		×
15. Phases		×
16. Priorities		×
17. Workflow		×
18. Projects	⋞	
19. Stats	≪	
20. Final Task		×
21. Task		×
22. Integration		×
23. Daily Status		×
24. Methodologies		×
25. Teams		×

26. Roles	⋞	
27. Individuals		×
28. Organizations	≪	
29. Management applications		×
30. Graph		×

Code:

```
clic Stats(int totalTasks, int completedTasks, int overdueTasks, int highPriorityTasks) (
this.totalTasks = totalTasks;
this.completedTasks = completedTasks;
this.overdueTasks = overdueTasks;
this.overdueTasks = overdueTasks;
this.nigPriorityTasks = highPriorityTasks;
public class Notification {
   private String notificationID;
   private String sender;
   private String message;
   private Date timestamp;
                                                                          lic Notification(String notificationID, String sender, String message) {
   this.notificationID = notificationID;
   this.sender = sender;
   this.message = message;
   this.timestamp = new Date();
                                                      public String getSender() {
    return sender;
import java.util.<mark>Date</mark>;
                                                                             lic Task(String taskID, String title, String description, Date dueDate, int priority, String status, User assignee) {
    this taskID = taskID;
    this taskID = taskID;
    this description = description;
    this description = description;
    this dueDate = dueDate;
    this taskID;
    this taskID = status;
    this taskID =
                                                                          lic String getTitle() {
  return title;
                                                                                                                       | Section | Sec
```

```
import java.util.ArrayList;
import java.util.List;
      philic class User (
private String userID;
private String username;
private String password;
private ListCTOSH> assignedTasks;
private ListCNOSH> assignedTasks;
           lic User(String userID, String username, String password) {
   this.userID = userID;
   this.username = username;
   this.password = password;
   this.assignedTasks = new ArrayList();
   this.notifications = new ArrayList();
           olic String getUsername() {
   return username;
           lic List<Task> getAssignedTasks() {
  return assignedTasks;
                  public class Project {
       private String projectName;
       private String projectDescription;
      private List<Task> projectTasks;
private List<User> projectTeam;
     public void addTask(Task task) {
      public void removeTask(Task task) {
       public void addTeamMember(User user) {
       public void removeTeamMember(User user) {
[<sub>}</sub>
public class Organizations {
       private String organizationName;
       private List<Team> organizationTeams;
       public Organizations(String organizationName) {
       public void createTeam(String teamName) {
       public void addUserToTeam(User user, Team team) {
public void removeUserFromTeam(User user, Team team) {
public class Reminder {
       private String reminderType;
       private String reminderDatetime;
       private List<User> reminderRecipients;
       public void setReminder(Task task, String datetime, List<User> recipients) {
```

```
public class TypeOfTask {
    private String taskTypeDescription;
    private String taskTypeDescription;
    private int taskPriority;
    private int taskCompletionTime;

public String getTaskTypeName() {
    }
    public void setTaskTypeName(String name) {
    }
    public String getTaskTypeDescription() {
    }
    public void setTaskTypeDescription(String description) {
    }
    public int getTaskPriority() {
    }
    public void setTaskPriority(int priority) {
    }
    public void setTaskPriority(int priority) {
    }
    public int getTaskCompletionTime() {
    }
    public void setTaskCompletionTime(int completionTime) {
    }
}
```

```
    public class Role {
        private String roleName;
    }
```

UML Diagram:

