

## UNIVERSIDAD DE LAS FUERZAS ARMADAS ESPE

**CLASS NAME:** OBJECT ORIENTED PROGRAMMING

**TEACHER: EDISON LASCANO** 

NRC:14575

**HOMEWORK #: 4** 

**TOPIC: ProjectModeling** 

**NAME:** CARLOS ÑATO

NAME	Selected (⋞)	Not selected (X)
1. Task	⋞	
2. Users	⋞	
3. Types of tasks	≪	
4. Reminders	≪	
5. Daily messages	≪	
6. Daily Agenda		×
7. Calendar		×
8. Reporting		×
9. Graphs		×
10. Challenges		×
11. Notifications	⋞	
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:

```
s Stats {
  int totalTasks;
  int completedTasks;
  int overdueTasks;
  int highPriorityTasks;
  double completionRate;
                         lic Stats(int totalTasks, int completedTasks, int overdueTasks, int highPriorityTasks) {
    this.totalTasks = totalTasks;
    this.completedTasks = completedTasks;
    this.overdueTasks = overdueTasks;
    this.overdueTasks = overdueTasks;
    this.highPriorityTasks = highPriorityTasks;
                 public int getTotalTasks() {
    return totalTasks;
■ P Buscar

Columbia-duri-du-OOP14372, Coding-Nings-CoC-Code/Nortication.jug-s - Sublima Test (UNICOSTREO)
                                                                                                                                                                    mport java.util.Date;
          public class Notification {
   private String notificationID;
   private String sender;
   private String message;
   private Date timestamp;
                  public Notification(String notificationID, String sender, String message) {
    this.notificationID = notificationID;
    this.sender = sender;
    this.message = message;
    this.timestamp = new Date();
                  public String getMessage() {
    return message;
                  public Date getTimestamp() {
    return timestamp;
                         ATTS Contemplaries CO. Control State Incom. - Subdayer Text (IMPERICATIVED)
                                                                                                                                                                                                    ■ P Buscar

C∧Users\User\dev\0
                    Takana - Nes
rt java.util.Date;
                      class Task (
ivate String taskID;
ivate String title;
ivate String description;
ivate Date dueDate;
ivate Date dueDate;
ivate int priority;
ivate String status;
ivate User assignee;
                          lic Task(String taskID, String title, String description, Date dueDate, int priority, String status, User assignee) {
this.taskID = taskID;
this.description = description;
this.description = description;
this.description = description;
this.description = description;
this.priority = priority;
this.status = status;
this.status = status;
this.status = status;
```

```
sort java.util:

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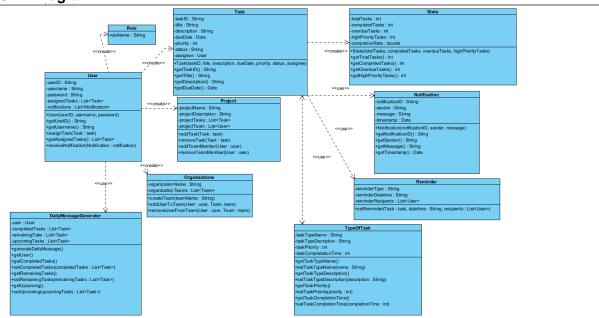
bilc class User {
    private String userID;
    private String username;
    private String password;
    private String passw
             import java.util.ArrayList;
import java.util.List;
                                     Jser(String userID, String username, String password) {
    .userID = userID;
    .username = username;
    .password = password;
    .assignedTasks = new ArrayList⇔();
    .notifications = new ArrayList⇔();
                            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) {
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 taskTypeDescription;
    private int taskCompletionTime;

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

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

## **UML Diagram:**



## Link docs:

https://docs.google.com/document/d/1fTA55fHGBrnDvcbcVwM91OIRAWYYiMoH7wfDrFL14DY/edit?usp=sharing