| ManagementSystemModel |
| --- |
|  |
| **public void createProject(String name, String fullName, int day int month int year int hour int minute);**  public void addRequierment(Requirement requirement);  public void addTask(Task task);  public Project getProject(ID projectID);  public Requirement getRequirement(ID requirementID);  public Task getTask(ID taskID);  public ProjectList getAllProjects();  public RequirementList getAllRequirements();  public TaskList getAllTasks();  public void removeProject();  public void removeRequirement();  public void removeTask();  public void updateRequirementStatus();  public void updateTaskStatus();  **public void updateProjectProgress();**  public void changeRequirementPriority(int priority);  public void addTeamMember(String firstName, String lastName, String role);  public void removeTeamMember(TeamMember teamMember, ID projectID);  public void assignRole(Role role, TeamMember member);  public TeamMember getResponsibleTeamMember(ID requirementID);  public TeamMember getResponsibleTeamMember(ID taskID);  public void setResponsibleTeamMember(ID taskID, TeamMember teamMember);  public void setResponsibleTeamMember(ID requirementID, TeamMember teamMember);  public void setDeadline(MyDateTime date);  public Status getRequirementStatus(String reqID);  public Status getTaskStatus(Task task);  **public double getProjectProgress(ID id);**  **Public ID getProjectID();**  **Public ID RequirementID();**  **Public ID TaskID();**  public MyDateTime getTotalTimeSpent(Project project);  public void setEstimatedTime(MyDateTime time, Requirement requirement);  public void setEstimatedTime(MyDateTime time, Task task);  public MyDateTime getEstimatedTime(Requirement requirement);  public MyDateTime getEstimatedTime(Task task); |
|  |

| ManagementSystem |
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| TeamMemberList |
| --- |
|  |
| Public TeamMemberList();  Public void removeTeamMember(TeamMember teamMember); |

| ManagementSystemFile |
| --- |
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| TeamMember |
| --- |
| Public TeamMember (Person member, String ID, String role)  Public String getInitials(); |
|  |

| ManagementSystemPersistence |
| --- |
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|  |

| ProjectList |
| --- |
|  |
| Public Project (Project project)  Public void updateProgress(int ID);  Public double getProgress(int ID);  Public void addProject (Project project);  Public void removeTeamMember(TeamMember teamMember, ID projectID) |

| Project |
| --- |
| Private String name;  Private double progress; |
| Public Requirement (  Public Project(String name, String fullName, int);  Public void updateProgress();  Public RequirementList getRequirementList();  Public void removeTeamMember(TeamMember member); |

| MyDateTime |
| --- |
| Public MyDateTime(int day, int month, int year, int hour, int minute); |
|  |

| Customer |
| --- |
| Public Customer(String fullName);  Public Customer(Person person); |
|  |

| MyDate |
| --- |
| Public MyDate(int day, int month, int year) |
|  |

| Clock |
| --- |
| Public Clock(int hour, int minute) |
|  |

| Requirement |
| --- |
| Public Requirement(...)  Public void updateStatus();  Public TaskList getTaskList();  Public void updateStatus(Status newStatus); |
|  |

| RequirementList |
| --- |
| Public RequirementList();  Public void addRequirement(Requirement requirement)  Public void updateStatus(); |
|  |

| Task |
| --- |
| Public Status getStatus(); |
|  |

| TaskList |
| --- |
|  |
|  |

| Role |
| --- |
| Public static final String PRODUCT\_OWNER = “Product Owner”;  Public static final String PROJECT\_CREATOR = “Project Creator”;  Public static final String TEAM\_MEMBER = “Team Member”;  Public static final String SCRUM\_MASTER = “Scrum Master”;  Private String role; |
| Public role (String role) |

| Person |
| --- |
|  |
| Public Person(Name name);  Public String getInitials(); |

| Name |
| --- |
|  |
| Public Name(String fullName);  Public String getInitials(); |

| Priority |
| --- |
|  |
|  |

| Status |
| --- |
| Public Status getStatus(); |
|  |

| ID |
| --- |
| Private int ID;  Private static int counter = 1; |
| Public ID();  Public int getID();  Public boolean equals(Object obj)  Public String toString(); |