**Traceability diagram:**

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| **Requirements** | **Packages** | **Class** | **Method** |
| Create Model | ui | RequestManagementApp | RequestManagementApp() |
| model | University | University() |
| Req#1: Register a collaborator from Universidad Icesi | ui | RequestManagementApp | registerCollaborator() |
| model | University | searchCollaborator(id : String) |
| model | University | availableCollaborator() |
| model | University | registerCollaborator(intType : int, id : String, fullName : String, email : String, extension : String) |
| model | Collaborator | Collaborator(id : String, fullName : String, email : String, extension : String) |
| model | ImprovementCollaborator | ImprovementCollaborator(id : String, fullName : String, email : String, extension : String) |
| Req#2: Register a department from Universidad Icesi. | ui | RequestManagementApp | registerDepartment() |
| model | University | oneMinCollaborator() |
| model | University | searchDepartment(internalCode : String) |
| model | University | displayCollaborators() |
| model | University | intToCollaborator(intResponsibleCollaborator : int) |
| model | University | availableDepartment() |
| model | University | registerDepartment(collaboratorId : String, address : String, name : String, internalCode : String) |
| model | Department | Department(address : String, name : String, internalCode : String, responsibleCollaborator : Collaborator) |
| Req#3: Register a project request. | ui | RequestManagementApp | registerRequest() |
| model | University | registerRequest(departmentName : String, collaboratorName : String, subject : String, description : String) |
| Model | Department | registerRequest(resposibleDepartment : Department, responsibleCollaborator : Collaborator, subject : String, description : String) |
| model | Request | Request(responsibleCollaborator : Collaborator, responsibleDepartment : Department, subject : String, description : String) |
| Req#4: Change the status of a request. | ui | RequestManagementApp | changeRequestStatus() |
| model | University | changeRequestStatus(departmentName : String, subject : String, intRequestType : int) |
| model | Department | searchRequest(subject : String) : Request |
| model | Department | changeRequestStatus(subject : String, intRequestType : int) |
| model | Request | changeRequestStatus(intRequestType : int) |
| model | Request | setStatus(status : TypeStatus) |
| Req#5: Create a Knowledge Management project. | ui | RequestManagementApp | createProject() |
| model | University | searchProject(id : String) |
| model | University | createProject(departmentName : String, requestSubject : String, leaderId : String, name : String, intPriority : int, intCommunity : int, intKnowledgeType : int) |
| model | ImprovementCollaborator | createProject(approvedRequest : Request, leader : ImprovementCollaborator, name : String, intPriority : int, intCommunity : int, intKnowledgeType : int) |
| model | Knowledge | Knowledge(name : String, intPriority : int, classificationDate : Calendar, approvedRequest : Request, intCommunity : int, intKnowledgeType : int) |
| model | Project | Project(name : String, intPriority : int, classificationDate : Calendar, approvedRequest : Request) |
| model | Project | calcEstCloseDate() |
| Req#6: Create a Transformation/Improvement project. | ui | RequestManagementApp | createProject() |
| model | University | searchProject(id : String) |
| model | University | createProject(departmentName : String, requestSubject : String, leaderId : String, name : String, processCode : String, intPriority : int) |
| model | ImprovementCollaborator | createProject(approvedRequest : Request, leader : ImprovementCollaborator, name : String, processCode : String, intPriority : int) |
| model | Improvement | Improvement(name : String, intPriority : int, classificationDate : Calendar, approvedRequest : Request processCode : String) |
| model | Project | Project(name : String, intPriority : int, classificationDate : Calendar, approvedRequest : Request) |
| model | Project | calcEstCloseDate() |
| Req#7: Close a project. | ui | RequestManagementApp | closeProject() |
| model | University | closeProject(leaderId : String, projectId : String) |
| model | University | searchCollaborator(id : String) |
| model | ImprovementCollaborator | closeProject(projectId : String) |
| model | Project | closeProject() |
| Req#8: Display the information of the last five projects (based on query date) of each team member in matrix form. | ui | RequestManagementApp | displayProjectMatrix() |
| model | University | displayProjectMatrix(queryDate : Calendar) |
| model | ImprovementCollaborator | gatherMatrixInfo(queryDate : Calendar) |
| model | Project | getEstimatedCloseDate() |
| model | Project | getPriority() |
| model | Project | getId() |
| Req#9: Access the detailed information of a project. | ui | RequestManagementApp | accessProjectInfo() |
| model | University | accessProjectInfo(leaderId : String, projectId : String) |
| model | University | searchCollaborator(id:String) |
| model | ImprovementCollaborator | searchProject(projectId : String) |
| model | ImprovementCollaborator | accessProjectInfo(projectId : String) |
| model | Project | toString() |
| model | Knowledge | toString() |
| model | Improvement | toString() |
| Req#10: Review the efficiency of a collaborator from the Department of Transformation and Improvement | ui | RequestManagementApp | reviewLeaderEfficiency() |
| model | University | reviewLeaderEfficiency(leaderId : String) |
| model | University | searchCollaborator(id : String) |
| model | IEfficiencyCalculable | (abs) calculateEffienciency() |
| model | ImprovementCollaborator | calculateEfficiency() |
| Req#11: Review the efficiency of a determined project. | ui | RequestManagementApp | reviewProjectEfficiency() |
| model | University | reviewProjectEfficiency(leaderId : String, projectId : String) |
| model | University | searchCollaborator(id : String) |
| model | ImprovementCollaborator | reviewProjectEfficiency(projectId : String) |
| model | IEfficiencyCalculable | (abs) calculateEffienciency() |
| model | Project | calculateEfficiency() |
| Req#12: Review the efficiency of a request. | ui | RequestManagementApp | reviewRequestEfficiency() |
| model | University | reviewRequestEfficiency(departmentName : String, subject : String) |
| model | University | searchDepartment(internalCode : String |
| model | Department | reviewRequestEfficiency(subject : String) |
| model | Department | searchRequest(subject : String) |
| model | IEfficiencyCalculable | (abs) calculateEffienciency() |
| model | Request | calculateEfficiency() |
| Req#13: Consult the number of projects by type and priority. | ui | RequestManagementApp | consultProjectsTypePriority() |
| model | University | consultProjectsTypePriority() |
| model | ImprovementCollaborator | projectTypePriorityCounter() |
| Req#14: Consult the number of projects led by every collaborator in the Department of Transformation and Improvement. | ui | RequestManagementApp | consultLedProjects() |
| model | University | consultLedProjects() |
| model | ImprovementCollaborator | countProjects() |
| Req#15: Consult the number of received requests and managed in a given month. | ui | RequestManagementApp | consultRequestsInAMonth() |
| model | University | consultRequestsInAMonth(  consultationMonth : Calendar) |
| model | Department | countRequests(consultationMonth : Calendar) |
| model | Department | countManagedRequests(  consultationMonth : Calendar) |
| Req#16: Generate test objects. | ui | RequestManagementApp | RequestManagementApp() |
| model | University | registerCollaborator(id : String, fullName : String, email : String, extension : String) |
| model | University | registerImprovementCollaborator(id : String, fullName : String, email : String, extension : String) |
| model | Collaborator | Collaborator(id : String, fullName : String, email : String, extension : String) |
| model | ImprovementCollaborator | ImprovementCollaborator(id : String, fullName : String, email : String, extension : String) |