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| **Functional requirement** | **Name of the class** | **Name of the function** |
| **RF.1 – Register users** | Class Controller | registerUserVisitant(username : String, password : String) : boolean |
| registerUserIC(username : String, password : String, name : String, email : String, cellphone : String) : boolean |
| registerUserResearcher(username : String, password : String, name : String, email : String, cellphone : String, areaU : String, carge : String) : boolean |
| Class Main | registerUserVisitant() : void |
| registerUserIC() : void |
| registerUserResearcher() : void |
| **RF.2 – Manage projects** | Class Controller | modifyProject(status : Boolean, name : String, id : String, description : String, starDate : Calendar, finalDate : Calendar, evidence : Evidence) : String |
| registerProject(status : Boolean, name : String, id : String, description : String, starDate : Calendar, finalDate : Calendar, evidence : Evidence) : boolean |
| deleteProject(id : String) : String |
| Class Main | modifyProjects() : void |
| registerProjects() : void |
| deleteProject() : void |
|  | Class Project | setStatus(status : boolean) : void |
| setName(name : String) : void |
| setId(id : String) : void |
| setDescription(description : String) : void |
| setStartDate(startDate : Calendar) : void |
| setFinalDate(finalDate : Calendar) : void |
| setEvidence(evidence : Evidence) : void |
| **RF.3 – Manage evidence** | Class Controller | registerEvidence(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| modifyEvidence(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| deleteEvidence(name : String) : String |
| Class Main | registerEvidence() : void |
| modifyEvidence() : void |
| deleteEvidence() : void |
| Class Evidence | setName(name : String) : void |
| setDescription(description : String) : void |
| setProject(project : Project) : void |
| setStatus(status : Boolean) : void |
| setRegisterDate(registerDate : Calendar) : void |
| setTypeEvidence(typeEvidence : EvidenceType) : void |
| **RF.4 – Manage interest point** | Class Controller | registerinterestPoint(name : String, Qr : String, coordinate : int[][], comments : String) : String |
| modifyInterestPoint(name : String, Qr : String, coordinate : int[][], comments : String) : String |
| deleteInterestPoint(name : String) : String |
| Class Main | registerInterestPoint() : void |
| modifyInterestPoint() : void |
| deleteInterestPoint() : void |
| Class InterestPoint | setName(name : String) : void |
| setQr(Qr : String) : void |
| setCoordinate(coordinate : int[][]) : void |
| setComments(comments : String) : void |
| **RF.5 – Test cases** | Class Controller | testCases() : String |
| Class Main | testCases() : void |
| **RF.6 – Consult the information of pillar and the project list** | Class Controller | consultInfoPillarAndProjectList(pillar : PillarType) : String |
| Class Project | getName() : String |
| Class Pillar | toString() : String |
| Class Main | consultInfoPillarAndProjectList() : void |
| **RF.7 – Consult the information of project and the quantity of evidences for each type** | Class Controller | consultInfoProject(pillar : PillarType, name : String) : String |
| Class Project | toString() : String |
|  | Class Main | consultinfoProject() : void |
| **RF.8 – consult the map with the interest point** | Class Controller | consultMap(pillar : PillarType, id : String) : String |
| Class Main | consultMap() : void |
| Class evidence | toString() : String |
| **RF.9 – consult evidence** | Class Controller | consultEvidence(position : int[]) : String |
| Class Evidence | toString() : String |
| **Rf.10 – register comments to the interest point** | Class Controller | registerComments() : String |
| Class interest point | registerComments(comment : String) : boolean |
| **RF.11 – register review as evidence to the project** | Class Controller | registerReviewToProject(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| Class Review | registerReview() : boolean |
| **RF.12 – All functions of the visitant user** | Class Controller | consultMap(pillar : PillarType, id : String) : String |
| Class Main | consultMap() : void |
| Class evidence | toString() : String |
| Class Controller | consultEvidence(position : int[]) : String |
| Class Evidence | toString() : String |
| Class Controller | registerComments() : String |
| Class interest point | registerComments(comment : String) : boolean |
| **RF.13 – consult the information of project and the list of evidence inside** | Class Controller | consultInfoProjectAndEvidenceList (pillar : PillarType, project : Project) : String |
| Class Project | toString() : String |
| Class Main | consultInfoProjectAndEvidenceList() : void |
| **RF.14 – Register and modify a project** | Class Controller | modifyProject(status : Boolean, name : String, id : String, description : String, starDate : Calendar, finalDate : Calendar, evidence : Evidence) : String |
| registerProject(status : Boolean, name : String, id : String, description : String, starDate : Calendar, finalDate : Calendar, evidence : Evidence) : boolean |
| Class Main | modifyProject() : void |
| registerProject() : void |
| **RF.15 – register and modify a evidence** | Class Controller | registerEvidence(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| modifyEvidence(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| Class Main | registerEvidence() : void |
| modifyEvidence() : void |
| **Rf.16 – view and change status of review** | Class Controller | changeStatus(project : Project, evidence : Evidence) : boolean |
| Class review | setStatus(status : boolean) : void |
| **RF.17 – All functions of visitant and information recollector users** | Class Controller | consultMap(pillar : PillarType, id : String) : String |
| Class Main | consultMap() : void |
| Class evidence | toString() : String |
| Class Controller | consultEvidence(position : int[]) : String |
| Class Evidence | toString() : String |
| Class Controller | registerComments() : String |
| Class interest point | registerComments(comment : String) : boolean |
| Class Controller | registerReviewToProject(name : String, description : String, project : Project, registerDate : Calendar, status : Boolean, typeEvidence : EvidenceType) : String |
| Class Review | registerReview() : boolean |