|  |  |  |
| --- | --- | --- |
| **Functional requirement** | **Class name** | **Method name** |
| FR1:  Create a project | Class SystemGreen | initProject() |
| Class ControllerProjects | modifyStringToCalendar() |
| Class ControllerProjects | addProject() |
| Class Project | setNameProject(), setStartDateProject(), setEndDateProject(),  setBudget(),  setMonthsStage() |
| Class Manager | Manager() |
| FR2: Culminate a stage of a project | Class SystemGreen | culminateStage() |
| Class ControllerProjects | modifyStringToCalendar() |
| Class ControllerProjects | culminateStage() |
| Class Project | addStage() |
| Class Stage | setActiveStage() |
| RF3: Register Collaborator | Class SystemGreen | registerCollaborator() |
| Class ControllerProjects | getProject() |
| Class Project | addCollaborator() |
| FR4: Register capsule | Class SystemGreen | registerCapsule() |
| Class ControllerProjects | getProject() |
| Class Project | capsuleToStage() |
| Class Stage | addCapsule() |
| Class Capsule | obteinHashtagsLesson(),  obteinHashtagsSituation(),  setSituation(),  setTypeCapsule(),  setAuthorCapsule(),  setPositionAuthor(),  setLessonCapsule() |
| FR5:  Approve capsule | Class SystemGreen | approveCapsule() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | setApproveCapsule() |
| FR6:  Publish capsule | Class SystemGreen | publishCapsule() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | setPublishCapsule() |
| FR7:  Report of registered capsules by type. | Class SystemGreen | informCapsuleType() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | getTypeCapsule() |
| FR8:  Report of lessons learned corresponding to the capsules registered in a stage | Class SystemGreen | informLessonsForStage() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | getLessonCapusle() |
| FR9:  Project report with more registered capsules | Class SystemGreen | projectNameMostCapsule() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | getTypeCapsule(), getNameProject() |
| FR10:  Report of capsules registered by a collaborator | Class SystemGreen | checkCapsulesSomeone() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | GetAuthorCapsule(), getLessonCapsule() |
| FR11:  Search for situations and capsule lessons approved and published in a search string found in the hashtags. | Class SystemGreen | searchLessonsAndSituationsCapsules() |
| Class ControllerProjects | getProject() |
| Class Project | getStage() |
| Class Stage | getCapsule() |
| Class Capsule | getHashtag(),getApproveCapsule() , getPublishCapsule(), getLessonCapsule(), getSituation(), getIdCapsule() |
| RF12: Obtain the hashtags of the lessons and situations. | Class Capsule | obteinHashtagsLesson() |
| Class Capsule | obteinHashtagsSituation() |