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| Use Case | Create a proposal | 1.0 |
| Description | This use case allows a freelancer to respond to a proposal request. | |
| Pre-requisite (conditions must exist) | 1. The project must exists. 2. The user clicking the “create a proposal” must logged into the system. Check whether the user is logged in, otherwise, redirect to the login screen. 3. The user must be assigned to ONLY one team for a project. Hence, check whether the user\_id is unique within the project team(s). | |
| Specifications | Once the user clicks “ Create a proposal” button, perform the below steps:   1. Perform the validations – project must exists, user must be logged in, and the user is not assigned to the project before. 2. If one or more validation fails, display the corresponding message. 3. If all the validation passes successfully, then do the following:    1. Create a new project (proposal) team. Use the TeamService to create the team. This service should be there already.    2. Assign the user as a member to the team. Use the “AddMember” method to add the user as a member to the team. | |
| Service layer | Use the existing TeamService. Use the CreateTeam and AddMember methods to create the team and add the user as member to the team. | |
| DAO | The DAO should already exists as part of TeamService. If not add DAO as needed. | |
| Tables used | CREATE TABLE IF NOT EXISTS `team` (  `team\_id` INT NOT NULL ,  `project\_id` INT(11) NOT NULL ,  `name` VARCHAR(100) NULL ,  `assigned\_ind` TINYINT(1) NOT NULL ,  `date\_added` DATETIME NOT NULL ,  PRIMARY KEY (`team\_id`) ,  INDEX `fk\_team\_Project1` (`project\_id` ASC) ,  CONSTRAINT `fk\_team\_Project1`  FOREIGN KEY (`project\_id` )  REFERENCES `cloudraas`.`Project` (`project\_id` )  ON DELETE NO ACTION  ON UPDATE NO ACTION)  ENGINE = InnoDB  CREATE TABLE IF NOT EXISTS `member` (  `member\_id` INT(11) NOT NULL AUTO\_INCREMENT ,  `team\_id` INT NOT NULL ,  `user\_id` INT(11) NOT NULL ,  `user\_group\_id` INT(11) NOT NULL ,  `rate` DECIMAL(5,2) NULL ,  `active\_ind` TINYINT(1) NOT NULL ,  `date\_added` DATETIME NOT NULL DEFAULT '0000-00-00 00:00:00' ,  `project\_role\_id` INT NOT NULL ,  INDEX `fk\_project\_resource\_user1` (`user\_id` ASC) ,  PRIMARY KEY (`member\_id`) ,  INDEX `fk\_project\_team\_user\_group1` (`user\_group\_id` ASC) ,  INDEX `fk\_member\_team1` (`team\_id` ASC) ,  INDEX `fk\_member\_project\_role1` (`project\_role\_id` ASC) )  ENGINE = MyISAM  AUTO\_INCREMENT = 2  DEFAULT CHARACTER SET = utf8  COLLATE = utf8\_bin | |
| Post condition | Upon completion of this use case, at least one team for the project must exists along with atleast one team member added. | |