|  |  |
| --- | --- |
| Title | Create project |
| Level | User |
| Primary actor | Project Manager |
| Preconditions | The user must be a Project Manager(PM); the pool of physical and human resources must have already been set by the IT manager.  The user must know all informations (duration of each stage, costs, physical resources etc…) about the project. |
| Postconditions | The new project is created, the creator is its Project Manager and he can manage every part of it. Each stage is defined and assigned to a Supervisor. |
| Main success scenario | 1. The system sets him as the PM by default 2. PM inserts the name of the project 3. PM inserts the requirements 4. PM inserts the goals of the project 5. PM inserts the budget and the estimated costs 6. PM inserts the estimated duration and the start-day 7. PM sets a pool of physical resources 8. PM creates a stage 9. PM names the stage 10. PM assignes a stage to a Supervisor 11. PM sets the goal and the requirements of the stage 12. PM sets the duration of the stage 13. PM sets the precedences of the stage 14. PM Repeats from point 8 until required 15. The system calculates CPM parameters(ES, EF, LS, LF) and critical path 16. The system shows the critical path and the resulting project duration 17. PM saves the project 18. The system notifies the nominated supervisor |
| Extentions | * 1. The name of the project is already in use      1. The system displays an error message      2. The system asks to insert a different name   2. The system shows an amount of physical resources that the PM considers inadequate      1. The project manager indicates the company that will be the outsourcer and its contacts   3. The name of the stage is already in use in the project      1. The system displays an error message      2. The system asks to insert a different name   4. The system calculates an estimated duration that overcomes the deadline inserted by the PM      1. The system warns the PM that the deadline will never be respected |
| Frequency of use | It depends on the size of the company that uses the system. For instance, it will be once a month in big companies with lots of projects. |