ANALYSIS DOCUMENTs

Project: Test case Management System for tester.

1. Explain the key elements of the business

|  |  |
| --- | --- |
| Element | Definition |
| Tester/normal user | The people can use to create test campaign /test case/test step. |
| Admin | Example create user The people can do anything on application. |
| Test campaign | Is a collection of test case. |
| Test case | Is set of conditions or variables under which a tester will determine whether a system under test satisfies requirement and working correctly or not. |
| Test step | Is the part of test case that noted pass or fail based on the compare result between the expected and actual result. |

1. Find the relationships between those elements

Normal user Test campaign

\*

\*

\*

Test case

\*

Admin Test step

…

1. Define the different user roles using a Use Case diagram

View/create/update/delete

test case, test step, test campaign.

Normal user

Can create update delete user.

Create /update/ delete /test case test Campaign test step and full permission on application.

Admin

1. Specification of the GUI (Graphical user interfaces)

**GUI1:** Login application

* Username
* Password
* When user admin login and then go to dashboard and user admin can create /edit / delete user and full permission on application.
* Admin can create new user with information:
* ID
* Username
* password
* Email
* Role
* When normal user login and then go to dashboard that can create/edit/delete test campaign/test case/test step.

**GUI2:** Test campaign

* Be able to create test campaign
* The title of test campaign
* The description of test campaign
* Test campaign have status valid if all test case success else invalid.
* Set date (start date and end date)
* You can add new test case to test campaign
* All the result of test campaign defines on pie chart how many percent success (green color) or fail (red color) depend on test case.

**GUI3:** Test case

* Be able to create test case
* Select on test campaign
* Then create test case
* The name of test case
* The name of tester
* The date of test case
* Can add test step to test case

**GUI4:** Test step

* Be able to create test step
* Select on test campaign
* Select on test case

Then create test step:

* ID test step
* Action: What user do on application example: click on button
* Expect result: Test step successful it marks green color and fail red color.
* Comment: Explain why test step fail and what need to add.
* All the result of test step defines on pie chart how many percent success (green color) or fail (red).