Q1) Write Test Cases for various Types of Testing Methods.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Priority** | **Test Case Objective** | **Step Procedure** | **Input test data** | **Excepted Results** | **Actual Result** | **Status** |
| TC001 | P3 | To Validate That logo is visible | Redirect to the web page Validate Logo is visible | Url- [www.elearning.com](http://www.elearning.com) | Logo should be visible | Logo is not visible | **Fail** |
| TC002 | P2 | To Validate the user name edit field should only accept alphabets | Redirect to the web page write alphabets in user name edit field | Url- [www.elearning.com](http://www.elearning.com)  Admin9 | Name edit field only accept alphabets | Name edit field accepting alphabets and number | **Fail** |
| TC003 | P2 | To Validate password edit field should only contain alphabets with characters | Redirect to the web page write password with alphabets and characters | Url-  [www.elearning.com](http://www.elearning.com)  Admin123 | Password edit field should only accept alphabets with characters | Password edit field should only accept alphabets with characters | **Pass** |
| TC004 | P2 | To Validate login button should enable only when successful data entered | Redirect to the web page enter valid data click on login page | Url – Username & Password | Login button is enabled only when data is entered | Login button is enabled only when data is entered | **Pass** |
| TC005 |  | To Validate login button should disable when clicked | After entering the username and password click on login button | Url-  [www.elearning.com](http://www.elearning.com)  Username: Admin  Password: Admin123 | Login button should get disable | Login button should get disable | **Pass** |

**Q1) Preparation of Risk Mitigation, Monitoring and Management Plan (RMMM).**

**RMMM:**

A Risk Management strategy can be included in the software project plan or the risk management steps can be organized into a separate Risk Mitigation, Monitoring and Management Plan. The Risk Management Plan documents all worked performed as part of risk analysis and is used by the project manager as part of the overall project plan.

Risk Monitoring is project tracking activity with three project objectives:

1. To assess whether predicted risks do, in fact, occur
2. To ensure that risk aversion steps defined for the risk are being properly applied
3. To collect information that can be used for future risk analysis. In many cases, the problems that occur during a project.

**Risk Mitigation :**   
It is an activity used to avoid problems (Risk Avoidance).   
Steps for mitigating the risks as follows.

1. Finding out the risk.
2. Removing causes that are the reason for risk creation.
3. Controlling the corresponding documents from time to time.
4. Conducting timely reviews to speed up the work.

**Risk Monitoring :**   
It is an activity used for project tracking.   
It has the following primary objectives as follows. 

1. To check if predicted risks occur or not.
2. To ensure proper application of risk aversion steps defined for risk.
3. To collect data for future risk analysis.
4. To allocate what problems are caused by which risks throughout the project.

**Risk Management and planning :**   
It assumes that the mitigation activity failed and the risk is a reality. This task is done by Project manager when risk becomes reality and causes severe problems. If the project manager effectively uses project mitigation to remove risks successfully then it is easier to manage the risks.

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Information Sheet** | | | |
| Risk ID: PO 2-4-32 | Date: 5/9/02 | Prob:80% | Impact: High |
| **Description:**  Only 70 percent of the software components scheduled for reuse will, in face, be integrated into the application. The remaining functionality will have to be custom developed. | | | |
| **Refinement/Context:**  Sub Condition 1: Certain reusable components were developed by a third party with no knowledge of internal design standards.  Sub Condition 2: The design standard for component interface has not been solidified and may not conform to certain reusable components.  Sub condition 3: Certain reusable components have been implemented in a language that is not supported on the target environment. | | | |
| **Mitigation / Monitoring:**   1. Contact third party to determine conformance with design standards. 2. Press for interface standards completion; consider component structure when deciding on interface protocol. 3. Check to determine number of components in sub condition 3 category; check to determine if language support can be acquired. | | | |
| **Management / Contingency Plan / Trigger:**  RE Computed to be $ 20,200. Allocate this amount within project contingency cost.  Develop revised schedule assuming that 18 additional components will have to be custom built; allocate staff accordingly.  Trigger: Mitigation steps unproductive as of 7/1/02 | | | |
| **Current Status:**  5/12/02: Mitigation steps initiated | | | |
| Originator: D. Gagne | | Assigned: B. Laster | |

Q1 ) Study and Scheduling and tracking a Project

Gantt Chart:

**Generalized Activity Normalization Time Table (GANTT) chart** is type of chart in which series of horizontal lines are present that show the amount of work done or production completed in given period of time in relation to amount planned for those projects. It is horizontal bar chart developed by Henry L. Gantt (American engineer and social scientist) in 1917 as production control tool. It is simply used for graphical representation of schedule that helps to plan in an efficient way, coordinate, and track some particular tasks in project.



