|  |  |
| --- | --- |
| **Applicant’s Name:** | Sonal Ahluwalia |
| **Date Exam Taken:** | 6/Aug/2022 |

## Welcome!

This exam is divided into **5 sections** each focusing on different areas. You will be answering questions with a total of **80 points**..

***Best of luck!***

## TEST CASE WRITING

|  |  |  |
| --- | --- | --- |
| **Instruction:** | Access Cashier page directly in [www.dafabet.com](http://www.dafabet.com)  Identify 10 test cases based on the Dafabet Cashier page and order each based on the priority.  **Pre-requisites:**  1. Create your own account via JOIN NOW button. User will be automatically logged in after successful registration.  2. Click CASHIER button. Each identified correct test case is worth **1 point** and each correct priority is worth **1 point**.  **Indicate registered account:**  Username: AXITPATEL Password: dafabet123  **NOTE:**  If www.dafabet.com is accessed as restricted page. Please do the following:  1. Download ModHeader as Chrome/Firefox extension (This is where you can modify HTTP request and response headers)  2. Add Profile / Request Header by clicking “+” or via menu.  Name: X-Forwarded-IP  Value: 111.90.158.20  3. Tick the checkbox of the newly added Request headers and click Resume Modheader icon before accessing the Dafabet page. |  |
|  |  |  |

| **TC#** | **Test Case** | **Priority** |
| --- | --- | --- |
| **TC1** | Verify that Balance page load with all data. | P1 |
| **TC2** | Verify that “Need help?/Live chat” option is clickable and on click of it user able to enter his/her query. | P2 |
| **TC3** | Verify following accounts displayed on Balance page table.   1. OW Sport 2. Data Sport 3. Casino 4. Common Wallet (Live Dealer, Games, Arcade, Virtuals & Lotteries) 5. PT+ | P2 |
| **TC4** | Verify below column displayed on Balance page table against each respective row.   1. Balance 2. Bonus Wagering Left 3. Action | P2 |
| **TC5** | Verify on click functionality for deposit button for each account on balance page table. | P2 |
| **TC6** | Verify on click functionality for withdraw button for each account on balance page table. | P2 |
| **TC7** | Verify on click functionality for Refresh button on balance page table. | P2 |
| **TC8** | Verify that Deposit page load with all data. | P1 |
| **TC9** | Verify below sections visible in Deposit page and expand collapse functionality working for each section.   1. Local bank transfer 2. Cryptocurrency 3. E-wallet 4. Credit/Debit Card | P2 |
| **TC10** | Check usability and GUI of Dafabet Cashier page. Including all spelling, tooltips, images, space and position. | P3 |

## ANALYSIS

|  |  |  |
| --- | --- | --- |
| **Instruction:** | In Cashier page, find bug as much as you can and explain why you think it’s a bug. Each bug found is worth **1 point**. This is a **bonus** part! |  |

| **Bug#** | **It’s a bug because…** |
| --- | --- |
|  | **Bug Summary** - On clicking of any menu option or refresh page ‘Instant Transfer menu option became invisible until the page get loaded.  **Explanation** – From usability perspective menu option getting hidden when page get loaded gives sense of instability to user. |
|  | **Bug Summary** - Balance Page > On mouse hover, tooltip is not getting visible for below fields   1. Balance > Dafa Sports 2. Bonus Wagering Left > OW Sports 3. Bonus Wagering Left > Daffa Sports 4. Bonus Wagering Left > Casino 5. Bonus Wagering Left > PT+   **Explanation** – Tooltip is visible on hover over balance and bonus wagering left values for some of the rows but not visible for above listed rows. |
|  | **Bug Summary** - Balance Page > balance amount for ‘PT+’ is not available on screen, even after clicking on “Refresh” button.  **Explanation** – ‘N/A’ is displayed for PT+ balance and in tooltip displayed with message ‘We are unable to retrieve balance. Please click on refresh to try again.’ However, on click of Refresh button still ‘N/A get loaded again. |
|  | **Bug Summary** - Balance Page > Total value for Bonus Wagering Left column not displayed.  **Explanation** – Total of all amount for balance is visible but no label present for Bonus Wagering Left column total. |
|  | **Bug Summary** - In Cashier page, on click of ‘Deposit’ or ‘Withdraw’ menu option, screen navigated to ‘Payment Options’ page.  **Explanation** - If both deposit and withdraw sections are part of Payment Options page, Payment option page should visible on 2nd place from where user can select deposit or withdrawn method and navigate to respective page. |
|  | **Bug Summary** – If user is on “My Account” page and click on “Cashier” page then screen navigated to “Payment option” page while if user move from “History” page to “Cashier” page then screen navigated to “Balance” page.  **Explanation** – On navigate “Cashier” page, it should be fix/common, which page is visible. |
|  | **Bug Summary** – If user press “Ctrl+s” on “Cashier” page and save as HTML then same page has opened in browser with partial data. It should not happen.  **Explanation** – On save local copy (as html), page shall not open. |

## BUG REPORTING

|  |  |  |
| --- | --- | --- |
| **Instruction:** | Based on the bugs found in Part II, select a specific issue and file it as a bug report below. |  |

|  |  |
| --- | --- |
| **Issue Type: (1pt)** | UI Issue |
| **Bug Title: (3pts)** | Balance Page > Tooltip is not getting visible on hover over some of the row’s values. |
| **Severity: (3pts)** | 3 – Medium |
| **Priority: (3pts)** | 3 – Medium |
| **Pre-condition: (2pts)** | 1. Registered user should logged 2. Cashier > Balance page loaded properly. |
| **Steps to Replicate: (2pts)** | 1. Login with valid credentials 2. Click on Cashier button 3. Ensure to be on Balance page. 4. Hover over the amount value for below items – 5. Balance > Dafa Sports 6. Bonus Wagering Left > OW Sports 7. Bonus Wagering Left > Daffa Sports 8. Bonus Wagering Left > Casino 9. Bonus Wagering Left > PT+ |
| **Expected Behavior: (2pts)** | Tooltip get loaded with Total amount, Real money and Locked amount. |
| **Actual Behavior: (2pts)** | Tooltip not getting loaded for below items-   1. Balance > Dafa Sports 2. Bonus Wagering Left > OW Sports 3. Bonus Wagering Left > Daffa Sports 4. Bonus Wagering Left > Casino 5. Bonus Wagering Left > PT+ |
| **Environment: (2pts)** | URL : https://cashier2.dafabet.com/en-inr |

## PRIORITY DEFINITION

|  |  |  |
| --- | --- | --- |
| **Instruction:** | As a Quality Assurance Engineer, your main role is defining the priority.  For this section, you are expected to give the definition based on how you have done it in the past and give at least 1 bug sample per item.  Each Definition is worth **2 points** and each sample is worth **1 point**; you can get up to **5 points** each row. |  |

| **Priority** | **Definition** | **Bug Samples (1pt per item)** |
| --- | --- | --- |
| **1** | Priority 1 is assigned to top priority issues which are blocker for application. Without resolving this issue QA can’t proceed with other scenario testing. There is always urgent need to resolve priority 1 issue for application stability. | Application down, Server connection failed, DB connection failed, page not loading, Login issue etc. |
| **2** | Priority 2 is assigned to High priority issues which are not blocker for complete application but blocking a module in an application. Without resolving this QA can’t proceed with testing in that particular module. However other modules still available for testing. | Specific page not loading in application, specific functionality not working which is important for end to end business scenario, analytical function, calculation or specific requirement not implemented as expected. Ex. Payment module not working, issue in page navigation etc. |
| **3** | Priority 3 is assigned to medium priority issue, which are blocker for small number of test cases. Issues which are not that urgent to fix as of now but have to fix before deployment. Issue which are not resulting in instability in application. | Issue related to specific UI element not working (however there is workaround to skip that UI element to proceed with the business scenario). Customer usability issue, page refresh issue, cache issue etc. |
| **4** | Priority 4 is assigned to low priority issue, which are mostly UI cosmetic issues. This type of issues are not necessary to fix before deployment and can be deferred for next release. No impact on business scenario and functionality. | Look and feel issue, color coding issue, UI element performing the desired function but not with smoothness, nice to have feature not working etc. |

## ESSAY

|  |  |  |
| --- | --- | --- |
| **Instruction:** | Answer the questions provided below. Your answer must based on your own understanding or how you used it based on your experience.  You can get up to **5 points** for each question. |  |

1. Can you list down each development methodology you have experienced and give examples on how they fit your product delivery?

I have experience of working with 1 SDLC methodologies i.e. Waterfall model. Waterfall methodology is suitable for strategic program (long period of program). In this things moves in sequential manner. We are following “gate -stage” model with in this methodology. When one gate will open, then we will move to next stage.

I have idea about agile methodology using scrum. In agile methodology after every sprint (of 15 days) we have code deployment to the either UAT or prod environment.

Choosing the right development method is highly dependent on the business need and application type. Suppose there is a SLDC (for government utility) application, mostly it won’t get updated that frequently. So yearly we can expect 1,2 version update. In this case we use waterfall method. But if it’s social media application, or let’s say gaming application, it updates more frequently. Hence agile methodology provides shorter duration for idea to delivery.

1. Based on the projects that you have worked on, can you give examples on when Manual and Automation testing were applicable/necessary and why?

I believe manual testing is first part of any testing process when new functionality implemented. Whenever there is as need of smoke testing the new featured or UAT testing to verify the requirements, manual testing is quick and can mimic real user behavior.

Automation testing is need of time when the new functionality is already tested manually and we need to re-test it again whenever there is any new feature implemented and we want to check stability of already tested functionalities like in regression testing. To overcome tedious task of re testing same scenario, we can automate the scenario and on one click we can ensure testing completed and verification done as per set expectation.

To take decision which test cases should automate, we have an automation matrix, as per test strategy, we put our test cases in this matrix and take decision for automation.

* Data complexity
* Time taking
* Test data volume
* Test case repeatability
* Test case/test data/calculation dependency

1. What do you do after you execute test cases and did not find a bug?

After executing all the pre decided test scenario (which are designed based on requirements) if no issue observed, then we can do below things to ensure stability

* Do exploratory/gorilla testing on application
* Perform negative scenario and inappropriate business cases. To ensure that application remain intact in case of any user tries to perform any undesired operation in application.
* Ask the QA who didn’t design the test cases to perform testing. Sometime fresh approach can find the bugs which can be ignored by person who regularly test the application.

1. What is Smoke testing? Give an example on how you have used it on any projects that you have worked on.

* Smoke testing is executing the top most priority test scenarios which define the application stability. To check that build is stable.
* Smoke testing performed when new build deployed in any environment. To ensure that most common features/normal flow are working as expected and we can start with detailed scenario testing.
* If we directly start with detailed scenario testing and after spending considerable time we came to know that build is unstable and we need to again perform the already tested detailed scenario for new build, its waste of time and effort of validation team.
* Hence smoke testing is first check point to start detailed testing.
* Sometime in production environment we perform smoke testing to ensure environmental, DB integration, server side stability.