Version Control

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| Name of the document | Date | Version | Author/ Reviewer | Comments |
| Backbase Questionnaire | 13/01/2017 | 1.00 | Backbase | Baselined |
| Backbase Questionnaire | 17/01/17 | 1.0a | Sonia Deshpande | Responses are added |
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References

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| --- | --- | --- | --- |
| Name of the document | Date | Version | Author/Reviewer |
| Test cases\_ComputerDBApplication | 17/01/17 | 1.00 | Sonia Deshpande |
| TestScripts\_ComputerDB Application | 17/01/17 | 1.00 | Sonia Deshpande |
|  |  |  |  |

Questions:

- Do you have any hands on experience with automation?

Answer:

***Yes***

Tools that you use:

*I’ve done formal training on Quick Test Professional and Rational Functional Tester. There was a limited opportunity to use these tools due to the nature of projects.*

*Currently, I am using our in-house platform called INQ which is used to automate the tests. This is a desktop based tool and the required functions are customised and written for easy user experience. The platform is based on C# syntax.*

*In my current assignment, project team develops test tools for our customers and the main aim is to enable the customers to do their own testing with the help of these tools. To achieve this goal, functions are built and tested which serve the desired purpose. There exists a library from which function calls are made providing arguments as per our requirements. For e.g.: If we have to validate that a mandatory field is present in the message or not, the check is performed in the following manner*

*Int S*

*S=App.t.Validatepresence(“Msg\_Name”, “Field\_Name”, if present(return 0) if absent(return 1))*

*If S=0 then*

*?app.t.Teststatus(“Status”, “Pass”)*

*Else*

*?app.t.Teststatus(“Status”, “Fail”)*

*End if*

*A log is generated for each test run and in the log we can see field errors*

*However, due to migration to Agile, regression test sets are being built for the repeatedly used functionalities.*

*All the test cases identified for regression are mandatorily automated as part of Definition of done in our sprints*

*Earlier, all the testing was done manually and I was the first QA resource to be hired. All these libraries have been enhanced since then to improve the user experience with our testing tools. One of my main responsibilities is to identify the gaps, request for new functions required to validate/ test in an effective and user friendly manner and make sure that becomes part of automated suite*.

Programming Languages:

I am trained on Java, Mainframes and have also done development project on Java in the beginning of my career.

Years of experience in automation: *3y*

- Can you describe the process of Agile testing?

Answer:   
*I have had training in Agile which was organised for our department in my current company in 2016 as we were in the process of migrating to Agile.*

*To suit the needs of our working style there are a few alterations which were made to the standard agile process.*

1. *User stories are currently written by the Product owner or the Architect (team member).*
2. *Product Backlog of these user stories exists. User stories are groomed and weightage is allocated. Definition of done and the acceptance criteria for each user story are defined and are most important.*
3. *Usually we have a Sprint planning meeting and select items for the Sprint backlog from the product backlog depending on the priority.*
4. *If required we also have another grooming session if we come across any ambiguity on any sprint backlog item accepted.*
5. *A daily scrum meeting happens usually at the beginning of the day and we say what we are going to do today, what was done and what issues are in the way of achieving the task list.*
6. *A Sprint review meeting is done. Usually it a demo of the added features to the Product Development manager, Product Owner, Scrum Master(s), Team(s), QA manager.*
7. *A team retrospective is held – focus is on people, process and tools, what worked, what went wrong and improvement plan.*
8. *As part of agile test driven development is done in the projects I am working on Manual testing is done for latest user stories however automation is enhanced to include previously developed functionalities. This regression suite keeps on getting evolved with each sprint*
9. *User stories are managed via JIRA*

- In which level as a tester do you consider yourself (junior/medior/senior)? Why? You should mention both technical and soft skills.

*Senior – for the following few reasons,*

*Technical:*

1. *I can manage an end to end testing cycle, Test Planning, design, implementation, execution, defect testing, retesting, and closure.*
2. *I can mentor and train other team members*
3. *Functional knowledge and experience (Banking, CRM, Host-Host processing, C-TAP protocol for POS systems)*
4. *Testing Tools: QC, QTP (UFT), JIRA, Spiratest, Confluence, Toad, VSS, SVN, Jenkins*

*Soft skills:*

1. *Verbal Communication skills*
2. *Written communication skills*
3. *Team player*
4. *Smart working*
5. *Quick learner*
6. *Result oriented*
7. *Adaptable*

Testing case.

We love to challenge our candidates, so we kindly ask that you complete the bellow assignment as part of your application for the QA Engineer position. The completed assignment is due by {4 day assignment}.

#0 Please access the following sample application - http://computer-database.herokuapp.com/computers

#1 Create a series of  manual test cases that cover the CRUD operation plus the edge cases. Make sure you give detailed instructions for each test case (pre conditions, steps, expected results). You can use any format you want.

#2 Write scripts that would automate the manual test cases that you see fit to be included in a regression test set. You can use any scripting language and tools you want.

*Response:*

The application has following four functionalities:

1. Add a new record
2. Filter records according to search criteria
3. Edit a record
4. Delete a record

For functional testing only, the estimations would be as follows

Detailed Test Design – 8h

Test Scripts Implementation - 12h

Testing – 8h (including downtime)

If security testing and profile based testing are also required then additional effort would be required.

The test case design, test data and remarks or assumptions can be found in the attached excel.

The current application has quite a few which are identified in the Assumptions/Remarks tab.

The test scripts for the test cases which need to be implemented as a part of regression test suite can be found in the notepad attached.

These are scripted according to the function calls which would be made as in our in-house tool.

#3 When the assessment is completed, please push the file containing the manual test cases and the automation project to github and provide us a link to the repository.

*Response:*  
The test cases and test scripts are attached in this document.

The tool that I work on in my current organisation is specifically designed to work for projects based on the in-house platform. Testing a web application is not in its features.

Hence project creation was not possible, however test case can be found in excel and sample scripts written manually can be found in the notepad.



