

Evaluation and Testing Workshop [Lee, Andreas, WP5, techgroup]

Things to consider:- [Lee]

Your budget ratio – determines quality level in a Software project and also how much time is spent on testing or developing more features for example.

The BHL-Europe project isn't a classic software project.

At the Initial stage we have:-

- Requirements – Specifications (use cases) – BA, non technical people and people from technical team. (defined by Customer)
- Test Plan – run through test scenarios – non-technical, system testers. (
- This is what is known as Acceptance Criteria.
- Based on this checklist e.g. site goes live or product is released.
- We need to apply this to our BHL-Europe project.

Different types of testing:-

Functional – Features

- User testing: - users using software, going thru scenarios, entering bugs issues behind app.
- Compatibility testing
- Usability testing;- work with ergonomic factors. How many clicks do they need to get there.
- Accessibility testing;- ie. Font sizes can change automatically, testing for people with disabilities.
- All of these are within the human realm!

- unit testing:-developers writing code for example.
- and integration testing:-using developer test data, regression testing:- you take a step back, introduce a change and the system regresses. Run thru automated set of tests and it assures that the system has not regressed for each of the features each time you put out a new system.
- automated testing:- the previous ones can be done automatically.

Non-Functional testing:-

- Performance (response time)
- Load testing(based on nos of people visiting site, how many can system handle)
- Robustness (failover):- seamless failover system.
- Security testing

Tools used for Testing:-

- Issue Tracking: - features, defects (bugs)
- Used for tracking feature issues. Normally used for heavy duty work loads....

Sustainability workshop required – who will deal with bug tracking after lifespan of project?

Lee: With regards to BHL-Europe – we are our own Customer.i.e no Business contract in terms of rules for delivery.

- This is more of an Agile project whereby you're not quite sure what you want to deliver but you do have a development team.
- How do we adapt testing to do more of an Agile type of testing.
- Acceptance Criteria:- who decides the BHL-Europe system is done?
- Best Effort –is what should be our Criteria!!

Agreement on Requirements is needed for this Workshop

What functional testing can we apply to our software?

- Unit tests (phpUnit), Int tests (Webdriver test, Selenium)
- Which tests are required to ensure a stable portal, OASIS core?
- Who will do it? Is it worth the investment? How will we integrate them?
- Lee: - it should be a developer's discretion... i.e if a developer is writing something e.g. difficult algorithm....they should write unit testing.

Bernd: - documentation for using system/User guide...ties in with help system.

Lee: - Document Main User use cases as opposed to complete Coverage. i.e to make sure the site works as opposed to exhaustive coverage.

Who makes the decision: - in Agile Product Owner decides, makes final decisions and decides the features etc i.e. Customer who has the money!! Henning!!

Action item: - Discuss with Henning to determine our AC and who is the Product Owner? He can delegate a person i.e. if Search is too slow...make it faster or spend time on Semantic Enhancement for example based on time/resources.

Suggestion: - DoW 5.3.3 –Establishing user testing groups; evaluation of this group using interaction logging.

- Group of users from the consortium to test users. (different roles i.e. target users: - scientists, teachers, Europeana test groups).
- Use the Scrum Backlog and ask users to test various tasks with them.
- Issue Tracker should list features ready to be tested – You need a Test Manager for that. Test Scripts can be created etc.

- User group/Testing Group – feeds into Product Owner who gets back to Technical team.
- Search Engine and Book Reader – ready for testing so we can start the Testing Process.
- We need an Issue Tracker to report bugs.
- Release Management – will show which versions developers are working/testing on.

Decision item:-Micro vs Regular releases – WP3 to decide before end of June.

Requirements:-

- a) to be delivered according to the DoW
- b) User requirements to satisfy users
- c) Prioritisation of these features
- d) Groups need to be established with agreement from Product Owner.

Things to do:-

- Internal Testing alongside Developer testing. (Henning to determine grp).
- Decide on Release and then External testing (after Public Core Release in August).

- Jana: Add column to feature list for testing i.e. different categories of testing.
- Jana will refine list and make public documentation for all consortiums.
- Can you change date or nature of deliverable: - **Action: Henning to ask Marcel**
- **Agreed:** Use Issue Tracker in GitHub as a Tool!!
- **Confirmed:** We will be using the GitHub Issue tracker for the Source code.
- Lee: Eventually you do away with Backlog and you just have an Issue Log...leading us into "Maintenance mode".
- Google Definition provided by Lola: (In the world of software development, **maintenance mode** refers to a point in a program's life when it has reached all of its goals and is generally considered to be "complete" and bug-free. Continued development is deemed unnecessary or ill-advised, but occasional bug fixes and security patches are still issued, hence the term maintenance mode).