Unlock:

QA metric report – iteration 1

Version 1.0

15/03/18

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1.Introduction

This report will outline the results from the QA Metrics for the end of iteration one of the unlock: york project. These metrics will show areas that might need improvements and allow us to assess the standard quality of the work being produced.

2.Finance Manager

2.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Comparison between projected spend and real spend.	By finding difference between projected and actual spend. Expect under 10% difference	Thomas Talbot	12/3/18	7.07% difference as of most recent Financial Report. Less than 2% for first financial report.
Updating projections to use up-to-date figures for forecast	By ensuring there is no risk bankruptcy in the company.	Thomas Talbot	15/3/18	Up to date forecasts show there is no danger of bankruptcy and we have a very slight underspend so far.
Projected and actual hours worked are a similar	Checking workers timesheets and addressing any discrepancy.	Thomas Talbot	Ongoing	So far expected hours have been met, illness etc has affected this but these hours have been made up when possible.

2.2 QA Results

From assessing the financial reports what is stated above is accurate, as stated above the difference in projected spend and real spend has been increasing but as it is a slight underspend no further action is required. Recommend to keep and eye of the increasing difference and a more accurate project to be calculated if required.

3. Project Manager

3.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Deadlines met	Project schedule against actual time deliverables have been submitted	Liam McMahon	15/3/18	Met - 10/10
Project requirements matching specifications	Number of project requirements that match client requirements against the number that don't	Liam McMahon	15/3/18	Match - 3/3 Dont match - 0/3

3.2 QA Results

Everything is on time and matching the client requirements, no further recommendation required, evidence found on the work break down structure and gantt chart along with the functional specifications

4. Marketing Manager

4.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Brand Awareness	Feedback and the use of surveys	Ollie Martin	15/03/18	Met - 9/10 Big and relevant response on survey
Customer Satisfaction	Customer Feedback	Ollie Martin	15/03/18	N/a Not relevant until product release
Market Share	How thorough the research report was	Ollie Martin	15/03/18	Met - 9/10 In depth analysis of competitors applications successes and failures
Digital Marketing research	How thorough the research report was and how strong the predicted digital marketing campaign could be	Ollie Martin	15/03/18	Met - 8/10 Teaser video and advertisements created

4.2 QA Results

As there is no current customers, customer satisfaction metric is not relevant for this particular iteration, other than that all seems good, evidence found in the team shared documents, digital research has been conducted and a teaser video has been made along with advisements, recommend further research into these areas as the product will be relying on digital content to advertise.

5. Lead Developer

5.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Appropriateness of design for project goals	Assessment of functional specification	Lead Developer	16/3/18	Minor issues have arisen as expected but have been resolved with working spec process via issue tracker (all sub-teams have submitted revisions). This process seems to be working effectively.
Develop time	Planned time against actual time taken	Lead Developer	16/3/18	All sub-teams have achieved substantial progress on their allocated stories, as suitable for this point in development. Development speed expected to pick up as developers become more comfortable with environment.
Code consistency	Code standard compared to code being produced	Lead Developer	16/3/18	Deviations from style guide are significant. Android module fails linting checks. Automatic linting should perhaps be instituted as part of code merge process.
Compiling errors submitted during development	Number of compiling errors or warning	Lead Developer	16/3/18	Large amount of errors, mostly due to merge process, but often due to incorrect tooling (gradle config etc)

Further Comments

- Tooling is not being well used and this is introducing many errors, e.g. build artefacts in repository, merge conflicts. Further training should be introduced.
- Code style is not enforced. Code review process may be beneficial.

5.1 QA Results

Development seems to be going fine so far, minor issues have arisen with a lack of understanding from development sub teams. As evidenced in the source code there appears to be a lack of code style consistency, as recommended by the lead developer a code review is required to ensure this dose not continue.

6. Testing and Integration Manager

6.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Errors and bugs fixed.	Documented on team member test report.	Jack Mckeown	15/03/18	Any errors flagged up in the testing process have been recorded on the testing reports. Errors have been fixed and now code passes tests.
Unit tests complete and plan followed.	Collect individual test reports from team members and monitor overall unit testing progress alongside plans.	Jack Mckeown	15/03/18	All unit tests for the first iteration have been carried out. 11 unit tests were defined on the plan for this iteration, and 10 unit tests have been carried out in reality- so only a very minor deviation from the plan.
Which individual parts tested and how?	Documented on all testing reports and plans.	Jack Mckeown	15/03/18	The testing process and elements to be tested have all been recorded on the Final Testing and Integration plan. Actual tests carried out this iteration have been recorded on testing reports.

Test outlines defined on Final Testing and Integration Plan vs Actual tests carried out.	Compare tests on plan with tests documented on reports.	Jack Mckeown	15/03/18	Some testers found that visual testing was more useful for their user stories, but test outlines have been accurately followed for the most part. Testers also found it useful to split tests into further sub-tests.

6.2 QA Results

Testing as been preformed well for the most part as evidenced by the testing reports from the development sub teams. Almost all unit testing as been carried out, problems with testing seem to have appeared on the XML parser user story, recommend more enforced use of unit testing to be preformed for non GUI elements. The use of visual testing has also been documented and used when appropriate. Some of the metrics have not been filled out due to not being relative for this iteration but will be conducted near project completeness.

7. GUI Developer

7.1 QA Metrics

Metric	How Measured	Produced By	Date	Results & Remarks
Design appropriateness	Verify that the design is appropriate for and meets the specification.	James Winters	ongoing	Design was checked for appropriateness and suitability with regards to the specification when first functional specification was published. However this is a continuing process - as user stories get added or edited, the design is updated to reflect these changes.
Deviations from original design during implementation	Compare implemented code with original plans	James Winters	ongoing	So far not many deviations have occurred - when user stories have been added or edited, they have been changed for features further down the line, so existing code has not been altered to match the new user stories, but the wireframe interface has been altered during this process. There will be more deviations to

				existing code as further iterations of the app are developed.
Comments in code	Look at commenting in the code	James Winters	15-03-2018	Comments were checked for suitability and readability.
Errors	Make a note of any errors that occur during compilation.	James Winters	15-03-2018	Errors (mainly due to IDE errors with android - not the code itself) have been continuously logged. Keeping note of these errors and their fixes has been vital to getting a good workflow and making productive use of company time.
Planned coding time vs Actual coding time	Record number of hours spent on GUI coding and compare with planned time.	James Winters	ongoing	All hours worked on GUI coding have been recorded. They have mostly been accurate to the planned time.

7.2 QA Results

Problems have been found with the tool set found in the IDE, this has also been recorded by the lead developer and has been reviewed to find a solution. The GUI designs have been appropriate to the client requirements and is evidenced by source code and the functional specifications. Although deviations have occurred these have been documented and been approved. Although code has been commented, as found by the lead developer, code is not fully style consistent with other development implementations, as evidenced in the source code for GUI.

8. QA Manager

8.1 QA Metrics

Metric	Method of calculation
Documents delivered on time	All documents seem to have been handed in on time and to the deadline, this has been checked with the project manager and recorded.
QA metrics being met	Almost all metrics have been met, a few discrepancies have occurred but have been documented in the is report along with recommendations for better QA metric scores for future iterations
Deadlines for product development	All deadlines for the products development have been met and fulfilled so far