

The grand finale – We made it!

Verfasst von PERFECTTIMESE am 16. JUNI 201916. JUNI 2019

Hey guys,

THIS IS IT! Our last blog post. We made. Our application (<https://perfecttime-planyourtrip.firebaseio.com/>) is finished and with this post we hand in our work. We want to thank all the people that followed our progress and that helped us along the way. You guys rock!

THANK YOU!

Your Perfect Time Crew (Lea, Lukas, Tim and Jan)

Below you see links to all our documents and achievements:

GRADING CRITERIA	LINKS
Requirements:	
– UC	Overview (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/useCases/UseCaseDiagram_redesigned.png) and folder (https://github.com/Tallround3r/PerfectTime/tree/master/documentation/useCases)
– SRS	SRS file (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/SRS.md)
– Test Cases	Test Cases folder (incl. .feature and step definitions) (https://github.com/Tallround3r/PerfectTime/tree/master/features)

GRADING CRITERIA	LINKS
<ul style="list-style-type: none"> – Test Log (for example screenshot in red/green) – test coverage 	<p>for <u>Unit</u> (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/Testing/Unit_Testing_CLI.PNG) and <u>functional</u> (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/Testing/Function_Testing_Coverage.jpg) tests</p> <p><u>Test coverage</u> (https://codecov.io/gh/Tallround3r/PerfectTime) (Unit Tests)</p>
<ul style="list-style-type: none"> – Test Plan includes 3 different tests + include lifecycle management tools and metrics + change 	<p><u>Test plan</u> (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/Testing/TestPlan.md) with function, UI, security, installation and Unit testing; includes the used tools and the <u>metrics</u> (https://perfecttime608150251.wordpress.com/2019/05/26/getting-the-numbers-right-working-on-our-metrics/)</p> <p>For more information please read <u>this summary</u> (https://perfecttime608150251.wordpress.com/2019/06/02/testing-in-a-nutshell/)</p>
<ul style="list-style-type: none"> – Functional Test 	<p><u>link to example test video</u> (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/MidtermsHandin/2018_12_11_Cucumber_Running.mp4)</p>
<ul style="list-style-type: none"> ◦ + unit test ◦ + one other test (like installation, stress test, ...) 	<p><u>Unit tests</u> (https://github.com/Tallround3r/PerfectTime/tree/master/src/unitTests);</p> <p><u>Security tests</u> (https://github.com/Tallround3r/PerfectTime/tree/master/src/securityTests) (covered by special functional tests)</p> <p><u>Installation test</u> (see <u>blog post</u> (https://perfecttime608150251.wordpress.com/2019/06/09/creating-your-own-perfect-time-an-installation-guide/) and <u>comment by Even tLAB</u> (https://perfecttime608150251.wordpress.com/2019/06/09/creating-your-own-perfect-time-an-installation-guide/#comment-80))</p>
Project Management	

GRADING CRITERIA	LINKS
<p>– RUP gantt chart (past)</p> <p>future long-term plan using FP estimation</p> <p>(including hours/team member breakdown)</p>	<p>Gantt chart for 2018 (https://perfecttime.myjetbrains.com/youtrack/reports/gantt/134-1) and 2019 (https://perfecttime.myjetbrains.com/youtrack/reports/gantt/134-2?view=actual) (generated with YouTrack, inaccurate, as discussed in class)</p> <p>FP planning (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/useCases/TimeEstimationUC.xlsx) and graph (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/useCases/FPgraph.png) (see blog post (https://perfecttime608150251.wordpress.com/2019/04/21/yes-we-can-finish-our-defined-scope-within-this-semester/))</p> <p>Time tracking on YouTrack for each User (https://perfecttime.myjetbrains.com/youtrack/reports/time/145-4), Use Case (https://perfecttime.myjetbrains.com/youtrack/reports/time/145-1), Phase (https://perfecttime.myjetbrains.com/youtrack/reports/time/145-5) and Workflow (https://perfecttime.myjetbrains.com/youtrack/reports/time/145-3)</p>
– YouTrack / burndown	<p>YouTrack project (https://perfecttime.myjetbrains.com/youtrack/)</p> <p>Total burn-down (https://perfecttime.myjetbrains.com/youtrack/reports/burndown/119-6), Burndown S1 (https://perfecttime.myjetbrains.com/youtrack/reports/burndown/119-2) and S2 (https://perfecttime.myjetbrains.com/youtrack/reports/burndown/119-5)</p> <p>Close to ideal burn-downs (1 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-25?chart), 2 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-14?chart), 3 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-24?chart), 4 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-23?chart), 5 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-21?chart), 6 (https://perfecttime.myjetbrains.com/youtrack/agiles/98-2/99-20?chart))</p>
<p>– FP calculation</p> <p>(include estimates and actual time spent comparison)</p>	<p>FP calculation (see Use Cases (https://github.com/Tallround3r/PerfectTime/tree/master/documentation/useCases)), Complexity calculation (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/useCases/PT_function_points_complexity_calc.ods)</p> <p>FP planning (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/useCases/TimeEstimationUC.xlsx)</p> <p>(original file (https://drive.google.com/open?id=1ZQ_V2uwXbj0vQeNRhskU6kZrGtW4QiVQ), explanation (https://perfecttime608150251.wordpress.com/2019/04/21/yes-we-can-finish-our-defined-scope-within-this-semester/))</p> <p>Time tracking on YouTrack (https://perfecttime.myjetbrains.com/youtrack/reports/time/145-1)</p>
Ability to Execute	<p>Build status: </p> <p>Application status: </p>
– Demo	application link (https://perfecttime-planyourtrip.firebaseio.com/)

GRADING CRITERIA	LINKS
<ul style="list-style-type: none"> – Code – installation (manual / or virtual machine) 	<p> GitHub Repository (https://github.com/Tallround3r/PerfectTime) Installation guide (https://perfecttime608150251.wordpress.com/2019/06/09/creating-your-own-perfect-time-an-installation-guide/) </p>
Quality:	
<p>Architecture</p> <p>SAD document + includes pattern highlighted as part of architecture</p>	<p> SAD (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/SAD.md) (with Flux architecture and Container pattern explained) Blog post for Pattern (https://perfecttime608150251.wordpress.com/2019/05/12/i-dont-trust-words-i-even-question-actions-but-i-never-doubt-patterns/) Blog post for Testing (https://perfecttime608150251.wordpress.com/2019/06/02/testing-in-a-nutshell/) </p>
Configuration Management / Environmental Setup	<p>CI and CD with TravisCI (https://travis-ci.org/Tallround3r/PerfectTime); running on Firebase (https://console.firebase.google.com/) (see blog post (https://perfecttime608150251.wordpress.com/2019/06/02/getting-ready-for-the-grand-finale/))</p>
<ul style="list-style-type: none"> – Metrics show how code change improves a metric. Explain 2 metrics show code samples when explaining metric explain, why some parts of code have bad metric. but no need to change (can be in SAD document) 	<p> See blog post (https://perfecttime608150251.wordpress.com/2019/05/26/getting-the-numbers-right-working-on-our-metrics/) (Complexity, Error prone Issues and Performance) Using Codacy (https://app.codacy.com/project/Tallround3r/PerfectTime/dashboard), Codecov (https://codecov.io/gh/Tallround3r/PerfectTime) and Lighthouse (https://developers.google.com/web/tools/lighthouse/) (see blog post (https://perfecttime608150251.wordpress.com/2019/06/02/testing-in-a-nutshell/)) Integrated in SAD (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/SAD.md) </p>
<ul style="list-style-type: none"> – Risk Management show living document – correctly filled 	<p> Risk calculation (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/RiskManagement.xlsx) (explained here (https://perfecttime608150251.wordpress.com/2019/04/14/a-risky-business/)) (for changes, see its history log) </p>

GRADING CRITERIA	LINKS
<p>– Automated Testing</p> <ul style="list-style-type: none"> ◦ functional ◦ unit ◦ automatic with deploy 	<p>Using TravisCI (https://travis-ci.org/Tallround3r/PerfectTime) (see .travis.yml (https://github.com/Tallround3r/PerfectTime/blob/master/.travis.yml)) explained in blog post (https://perfecttime608150251.wordpress.com/2019/06/02/testing-in-a-nutshell/)</p> <p>Automated with every pull request (see Screen Shot (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/Metrics/automatedCodacyCheck.PNG)), Master is deployed with every push / merge</p>
<p>Pattern (place in SAD) explain in pattern</p>	<p>SAD (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/SAD.md) explaining blog post (https://perfecttime608150251.wordpress.com/2019/05/12/i-dont-trust-words-i-even-question-actions-but-i-never-doubt-patterns/)</p>
<p>Other</p>	
<p>– Presentations</p>	<p>presentation file (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/FinalHandin/FinalPresentation.pptx)</p>
<p>– Other Materials:</p> <ul style="list-style-type: none"> ◦ Advertisement video ◦ Hand in document ◦ Tech Stack 	<p>Links:</p> <ul style="list-style-type: none"> ◦ see blog post (https://perfecttime608150251.wordpress.com/2019/06/11/its-looking-good-guys-our-little-ad-video/) or ◦ Project Report (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/FinalHandin/Final_Report_PerfectTime.docx) ◦ Tech Stack (https://github.com/Tallround3r/PerfectTime/blob/master/documentation/FinalHandin/TechStack.pptx)

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