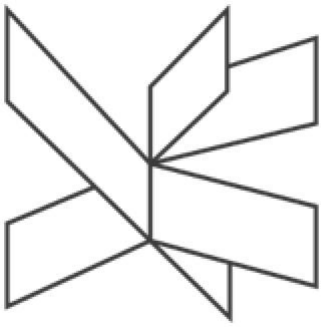

VIA University College

SEP2X-A18 Project Description

Group 5

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5420

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Deadline:

14 / 03 / 2019

Table of contents

BACKGROUND DESCRIPTION....3

DEFINITION OF PURPOSE....4

PROBLEM STATEMENT....4

Sub-problems: **4**

TIME SCHEDULE....4

RISK ASSESSMENT....7

LIST OF SOURCES....7

List of Tables and figures

FIGUR 1 - MILESTONE-LINE 5

TABLE 1 - INCEPTION ARTIFACTS 6
TABLE 2 - ELABORATION ARTIFACTS 6
TABLE 3 - RISK ASSESSMENT 7

Background Description

The poetry club at VIA university college consists of twenty members including the president and vice-president of the club. However, the club wishes to assemble a community much larger than their current member count. The members share their creations by reciting them to each other during club meetings. They draw inspiration from their discussions and from the internet. Afterwards they post their poems on a social-media group to archive their creations for later review. They write a large variety of poetry and therefore they want a manner of organizing their poetry, so that they may search for specific tags or sort all poetry by genre. Currently the poetry-club is utilising facebook.com to post their poetry, establish meetings, and give each other feedback. The poetry club at VIA university college in Horsens wishes for an application customized to assist and connect poets all over campus However, the poet society wishes to move their listing of poetry to a new virtual environment. They wish for a new forum-like application, that can replace the Facebook group with a safe environment in which they do not have to worry about privacy and copyright related issues that comes with using a third-party application. According to the Facebook terms they have the free right to use all the material posted on their platform (Facebook, 2019). Nevertheless, the club wishes for a new tool in which they can post their poetry, rate posted poetry and comment on poetry. In addition, the system should include a leader board based on the user's average poetry rating. The tool should also assist poets by inspiring them during the writing process by recommending rhymes and synonyms whilst also displaying inspirational images or similar poetry from the same genre. Lastly, each user wants a gallery in which only their own poetry is displayed.

Furthermore, the poetry club consists of international students who travel a lot in order to get to work and to visit their families, consequently they communicated the desire to write poems and to meet with the others, while on the go. Therefore, the poetry club has also asked for a mobile-application in which all the previously mentioned features would be implemented as well.

The poetry club has previously tried using Discord, which is a freeware VoIP application and digital distribution company (Discord, 2017). Which is essentially a software which performs similar duties as a traditional telephone system (Barton, 2017). The application is customized for gamers and does not fulfil the needs of the poetry club. The application does not include a personal profile fit for the poetry club, nor does it include a rating system, and all posts are sorted by most recent.

Definition of purpose

The purpose is to create a platform for the Poem club to assist poets with writing their poetry and to connect them with current and future members.

Problem Statement

How can we connect the poets and help them improve their poetry?

Sub-problems:

- How should personal poetry be presented?
- How should all poetry be presented?
- How should all poetry be shared?
- How should the poetry be sorted/organized?
- How to connect poets at VIA university college?
- How to assist poets with writing their poetry?
- How to allow poets to recite their poetry to each other?
- How to limit the users to only VIA students?
- How to store personal poetry?
- How to store all poetry?

Time schedule

1 ECTs point is converted to 27,5 working hours, our semester project contains 10 ECTs, therefore it is going to be about 275 hours per student. Which is a total of 1100 hours for our group.

To keep an eye on our progress and manage our time better, we have made a milestone-line based on Unified Processes (See Figure 1). In addition to the milestone-line we will be using SCRUM as a way of keeping track of tasks on hand, and how we're doing in terms of resolving those tasks. We'll run sprints of 3 days, with daily meetings throughout the project period.

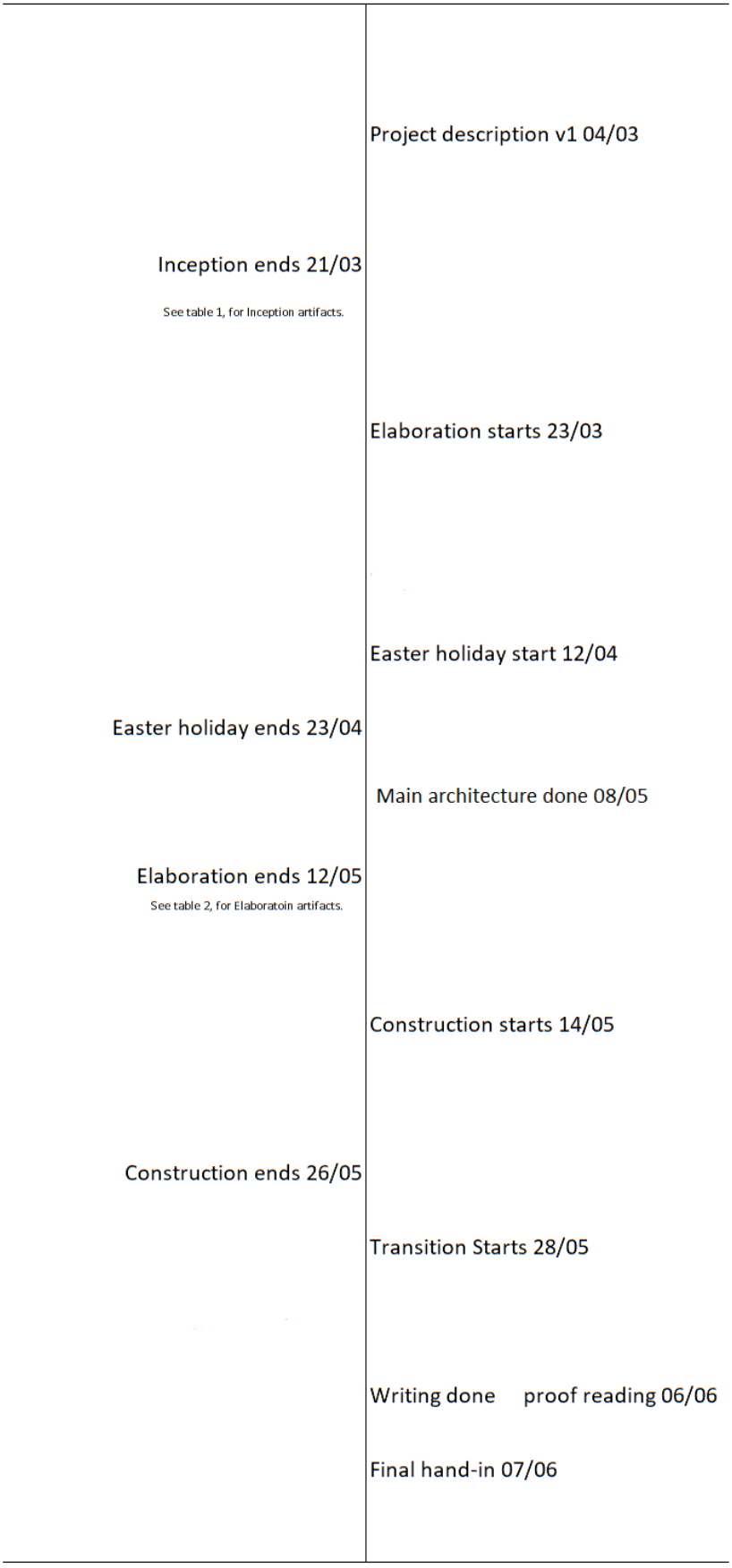

Figure 1 - Milestone-line

Artifact	Comment
Vision and Business Case	Describe the high-level goals and constraints.
Use-Case Model	Description of functional requirements. Most use cases will have a name, and about 10% of the use cases have been analyzed in detail.
Supplementary Specification	Describe other requirements, with focus on non-functional requirements.
Glossary	Key domain jargon.
Risk List & Risk Management Plan	Describe the risks of the group and a mitigation plan for said risks.
Iteration Plan	Detailed description of the first Elaboration iteration.
Phase Plan & Software Development Plan	A guesstimate of the duration and workload of the Elaboration Phase.
Development Case	A description of the UP steps and Artifacts for this project.

Table 1 - Inception Artifacts

Artifact	Comment
Domain Model	Visualization of the domain concepts.
Design Model	Diagrams explaining the logical design. Such as; software class diagrams, object interaction diagrams, package diagrams…
Software Architecture Document	Summary of the key architectural issues and their solutions in the design.
Data Model	Database Schemas, Mapping strategies between object and non-object representations.
Use-Case Storyboards, UI prototypes	Describe the user interface, navigational paths, usability models…

Table 2 - Elaboration Artifacts

Risk assessment

Risk	Description	Likelihood Scale (1-5)	Severity Scale (1-5)	Responsive Actions	Identifiers	Responsible
Risk 1	Lack of knowledge.	4	2	The group members will learn their shortcomings, as well as helping on another.	Not having the capacity to complete assigned tasks.	All.
Risk 2	Lack of interest.	1	4	Group members shall constantly do topic related researches during the semester project period.	Deteriorating performance.	All.
Risk 3	Group conflicts.	2	5	Actions will be taken accordingly, according to the group contract.	Time loss, lack/poor of communication.	All.
Risk 4	Health issues.	2	3	Team members must take care of their conditions.	Missing team meetings and classes.	All.
Risk 5	Bad time management.	3	5	The group will divide the workload amongst us.	Postponements, extra work, stress.	All.
Risk 6	Technical issues.	2	5	Repair the broken device(s).	Time and data loss.	All.
Risk 7	Conflict with supervisor(s)	1	3	Notify the head of department.	Passive aggressive behaviour	All.

Table 3 - Risk assessment

List of sources

Facebook, 2018. Datapolicy. [online] Available at: <www.facebook.com/terms.php> [Accessed 20 February 2019].

Discord,2017. About.[online] Available at: <https://discordapp.com/company> [Accessed 21 February 2019].

Barton, J., 2017. VOIP Phone System Guide Proprietary vs Open Source Solutions. Pascom.net VOIP blog, [blog] 28 oktober. Available at: <https://www.pascom.net/en/blog/voip-phone-system-guide-proprietary-vs-open-source-solutions/>
[Accessed 21 February 2019].