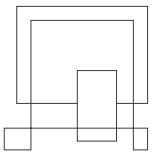

Project description

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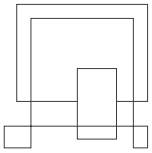
Software Technology Engineering

Semester 1

26 09 2020



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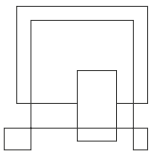


1. Background Description

Nowadays businesses and companies want to be more efficient, and are on the lookout for the cost-effective tools, as they seek to streamline their workflow and getting more out of doing less, says (CareerAddict Team, 2018). This is especially relevant to expanding businesses, because of the increase of workflow. When the employees and projects numbers increase it is really difficult to assign tasks and distribute workload equally. Also, keeping track of all the work progress requires a lot of time to check individually by a human and companies do not want to pay more than they need to. This means, that with a certain solution companies would not only save time but also the money.

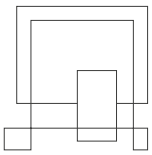
The decision to work with this problem was made when more and more top companies started to use more efficient tools and our customer also wants one. There are still a lot of companies still looking for such a tool, which would be reliable, simple and easy to adopt new users to.

Colour IT is a small company developing and implementing IT systems mostly for private customers. This company needs a project managing system that would help handling tasks and time for their IT projects. At the moment they don't have a system that would help them manage their projects. It is also important for them that they could keep track of projects progress, requirements and workers time spent on the project. Also, they want this system that could be accessed by 1 person at time, also accessible only locally and that everyone that is using this system would have same administrative rights. With that being said, doing everything manually is not efficient, frustrating and very hard. Currently IT colour after meeting and discussing about projects with their clients, for small IT systems use waterfall method, but usually use an iterative process.

Problem Statement

Main problem: Our customer currently do not have any system to manage their project, so their productivity drops.

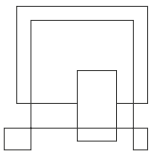
- What aspects of workload should companies track?



- What aspects will improve when the system is implemented?
- How the new system will effect workers?

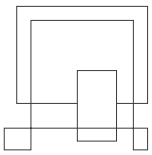
2. Definition of purpose

The purpose is to help the IT colour to manage their projects, by creating a system for them which will help distribute work equally to the employees and by doing that keeping them satisfied and cost-efficient. Also, by doing that, document the process of system development.



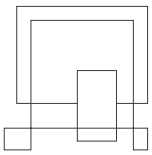
3. Delimitation

1.System will not include any administrator rights.
2.System will not include any other languages except English.
3.The system will not be accessible outside the local machine.
4.System will not include multiple users at the same time.



4. Methodology

We have selected the waterfall method. By using this method we are planning to, first of all, analyze all requirements and the full system. Secondly, we will configure our design and software architecture based on client needs and vision. After that, we will implement the software around the desired clients design. Later on, we will verify and test all of our software and design works as planned, and we will fix any errors that may occur during testing.



5. Time schedule

16.09.20 – Getting a list of requirements from the customer (2 hours)

30.09.20 – Creating a project description (30 hours)

15.10.20 – Structuring app development according to client needs. (10 hours)

20.10.20 – Making a plan for each requirement. (10 hours)

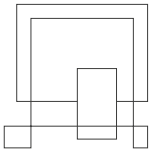
20.11.20 – Programming classes, storing data in json file. (60 hours)

07.12.20 – Creating a responsive website (25 hours)

12.12.20 – Implementing graphical user interface (40 hours)

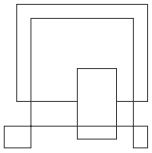
17.12.20 – Writing a report (15 hours)

18.12.20 - Deadline



6. Risk assessment

Risks	Likelihood Scale: 1-5 5 = high risk	Severity Scale: 1-5 5 = high risk	Product of likelihood and severity	Risk mitigation e.g. Preventive- & Responsive actions	Identifiers	Responsible
The customer does not make up his mind and constantly changes design	2	3	5	Be prepared to manipulate back-end quickly and without bugs	Customer changes his mind several times	Lukas Juskevicius
Misinterpreting client needs	2	5	3	Organize meetings with the client to better understand his needs.	Not understanding what client wants.	Titas Savelskis
The final program does not work as planned during testing	2	4	3	Test each little parts in program and test if they match with bigger classes	Several errors has been occurring during testing small classes	Baicoianu Ioan-Sorin
Data loss	2	3	3	Keeping a copy of everything	Hardware or software issues.	Rytis Ziaukas



7. Sources of Information

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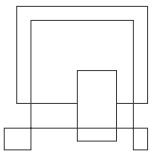

Group Contract

Date: **20.09.2020**

These are the terms of group conduct and cooperation that we agree on as a team.

Participation: We agree to work for at least 5 hours and put the same effort in our project . We also agree on going to every single class.

Communication: We agree to discuss a problem as soon as possible after it had happened.

Meetings: We agree to organise meetings together and participate all of us.

During the last two weeks we will do meetings every single day for about 7 hours.

Conduct: We agree to always attend meetings, unless an emergency.

Conflict: We agree to discuss all problems that may appear, investigating pros and cons and finding the best solution.

Deadlines: We agree to always finish all project assignments and tasks a day before deadline.

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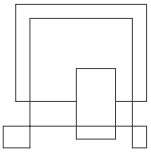

Other Issues:

Group member's name	Student number	Signature
Baicoianu Ioan-Sorin	304145	
Lukas Juskevicius	305575	
Titas Savelskis	304475	
Rytis Ziaukas	305573	

Version: August, 2018
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