**No Brain No Pain**

**ChadList**

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# Background Description

Today everybody can agree that the amount of waste from all categories of products is just unbelievably huge. The project taken on by the team strives to lower the amount of waste that is being produced yearly.

There are out there a lot of web sites who are doing the same thing but, a lot of those web sites run only in specific countries, there is a chaos when it comes to what you are searching for and what you are getting, you cannot search the online shop without an account, and, very often it happens that the products that are being displayed are not well described and do not provide any useful information for the buyer.

Currently eBay is one of the biggest online second-hand shopping site but, at the moment it is only available in 25 countries, which is not ideal for the end-user since sometimes the cost of shipping is the same as the product you are purchasing.

On the other side Facebook create Facebook Marketplace which is available in a lot more countries compared to eBay but, its lack of organization, lack or false information about the product and the fact that the end-user must have an account in order to shop on the website makes it very annoying and frustrating to navigate.

Finally, is Craigslist which is a very popular alternative to eBay or Facebook Marketplace. It is available in most of the countries, the end-user can navigate the website without an account but, the website in the team’s opinion looks very ruff, very complicated and a lot of the items that are posted do not contain precise information and that is without mentioning that the website does not have a search bar that can search through all the categories at the same time.

# Problem Statement

A User wants to either sell their item or buy an item they want through a website. The user needs to be able to chat with the seller or if the user is selling an item to be able to be contacted.

1. How to make the website to not be used for selling illegal items.

2. How to make users be able to communicate with each other when buying or selling

3. How to convince users to use our website for their item selling or buying.

/\*\*

**Main problem**

Fishermen are losing their gear and equipment without being able to report the loss and position making it difficult to find.

The following sub-questions are formulated to get a better understanding of the main problem:

1. Which data is necessary to report lost equipment?
2. Who are the relevant recipients of reports?
3. Which type of reports must be created for different end users?
4. Which sea locations are relevant?
5. What type of users will report lost equipment?

Other examples of main problems:

1. The remote air traffic controller is currently having difficulties identifying and managing grounded incoming and outbound aircrafts. This leads to a too high number of accidents.
2. The workflow of customers ordering with the waiters who tell the chefs is currently unstructured and inefficient. This results in customers waiting a long time for their food
3. Sprogcenter Midt would like a social collaborative teaching tool, which should aid language acquisition \*/

Checklist

* The main problem is stated as an overall statement
* Your questions can be traced to the background description
* The questions are presented in a concise manner, i.e. bullet point format
* The questions are focused and relevant
* The questions are not technical or solution-oriented
* You do not already know the answers to the questions
* You cannot answer your questions with yes or no

# Definition of purpose

The purpose describes the overall motivation for the project and lies within the frame of the problem statement. A well-defined purpose can be used for judging the relevance of the outcome throughout the project.

Write your purpose in one sentence in a concise and precise manner.

*Describe the overall goal and benefit/why of the project*

Examples:

1. The purpose is to help people responsible for managing reports regarding lost fishermen’s equipment giving the possibility to the fishermen to report the derelict fishing gear, and the government and volunteers the chance to retrieve it from the Danish seas.

Other examples of purpose:

1. The purpose is to help the remote air traffic controller identify and manage grounded incoming and outbound aircrafts to avoid accidents
2. The purpose is to provide a more convenient way to place an order thereby easing the workload of the waiters and chefs in a restaurant
3. The purpose is to help Sprogcenter Midt provide an improved social collaborative teaching tool with the aim of aiding language acquisition and comprehension and thus building the lexical competence of the students

Checklist

* The purpose is well defined and possible to pursue
* It is a single sentence that does not exceed more than a few lines
* The benefit is clearly stated
* It is a natural continuation of the background description and problem statement

# Delimitation

- We will not make a map to see where the seller is selling their item

- We will not make a function to ship items through our website.

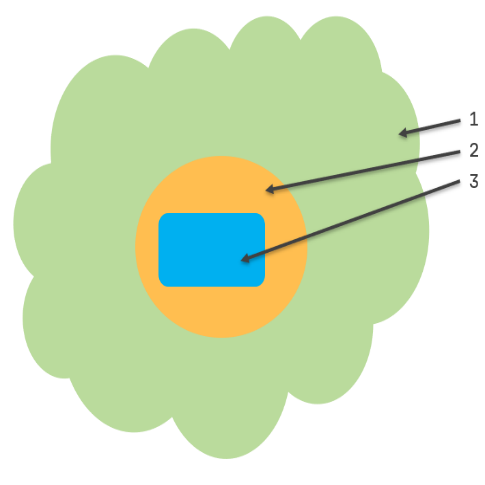
- We will not make transactions through our website

In this section, you describe what you will **not** include in your project, if relevant. You can only delimit what has been covered in the Background Description and Problem Statement.

Delimitations are non-technical.

*Example*:

1. We will not include seas not marked as Danish
2. We will not include economics and billing in our restaurant ordering system

1) What is described in the Background Description section  
2) What is stated as the problem, but will be delimited, and will not be included in the project  
3) What the project will contain

**Checklist**

* The delimitations are based on the problem statement
* The delimitations are relevant, and you have good reasons to include them
* You are not trying to mark all the relevant and difficult problems of the project as delimitations.

# Methodology

Here, you describe the software development process that you have planned to use in the project. Examples: Waterfall, Kanban, Scrum. Explain how you will use it.

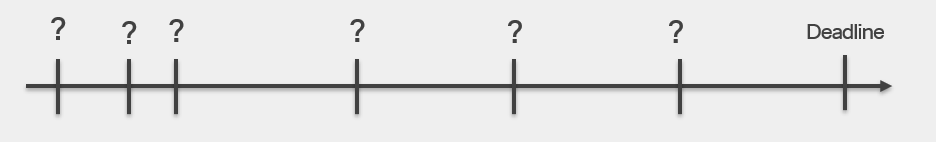
This replaces the section Choice of Models and Methods from the Engineering Project Description Guidelines.

# Time schedule

In this section, you will insert your timeline. Indicate relevant milestones and final deadline for the project. The milestones may depend on your choice of methodology. Remember to allocate time for report writing.

Also, calculate how many hours you expect to spend on the project in total. The expected workload is 27.5 hours per ECTS per student.

Example



# 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 |
| Logical Flaws | 3 | 5 | 15 | Coding in pairs, and plenty of testing. | Logical flaws – the program does not work as intended. | Dragos |
| Database problem | 4 | 4 | 16 | Having a backup database with essential information for the program | Program cannot fetch information from the database | Chiril |
| Loss of data | 5 | 5 | 25 | Everyone in the group should make a copy of the code each time something is changed/added | There are parts of the code missing. | Dan |
| Server goes down | 3 | 5 | 15 | Checking the server host and to check if there is not an unknown IP address | If no server identifier is set, the DHCP server sets the server identifier based on the primary interface address used by the server to receive a client request. | Tomas, Matas |

# Sources of Information

**Software Designing with Unified Modeling Language Driven Approaches**(Osis and Donins, 2017)

**Top 7 Tips for Troubleshooting Server Down Issues - EI Blog**(Anon., 2022)

**Appendices**

The purpose of your appendices is to provide extra information to the expert reader. List the appendices in order of mention. Include as a minimum your signed Group Contract.