**Criterion A: Planning**

**Defining the problem**

The recent escalation of war in Ukraine has inspired me to come up with a solution for the refugees seeking help in my country. Since the beginning of the war millions of refuges from Ukraine has fled to eastern Europe. In most cases, their homes and belongings have been destroyed. Thus, I came up with an idea of creating a website on which users, for free, can either request help of look for help in the form of posts.

Currently, these kinds of posts are being posted on social media services, such as Facebook, Instagram, however, they have number of disadvantages and inconveniences. Firstly, not everyone has a social media account, especially elder people. Secondly, it is hard to search for specific type help. Finally, if users are not very familiar with the layout of these services, it is nearly impossible to find anything.

Therefore, I decided to create a website to solve this problem. The final product needs to be user-friendly as well as easy-to-use. Website will be connected to a database in order to safely and easily store data.

**Rationale for solution**

Users of the website can be divided into two groups: logged-in users and not logged-in users. Moreover, the logged-in user group can be divided into another 2 subgroups: normal users and admins. Normal users will be able to create, view, report posts as well as report and message other users. Admins will have access to the admin page, from which they have full access to the database, meaning the can delete, modify posts, users. The not logged-in user group will be able to just view posts.

For the back-end of the website I decided to go with Django framework, which is an open-source Python-based web framework, since I am familiar with it. It is perfect for the problem due to many ready-to-use libraries it includes, such as account management library which offers ready-to-use login, logout, signup and reset password systems.

Website will be connected to a MySQL database hosted locally on the web server. I chose this specific system due to its popularity and security. Furthermore, I am already familiar with this software which eliminates the need to learn it.

Since the project is a website, it needs to be hosted on a web server. I will either use Amazon Web Services (AWS) or [home.pl](http://home.pl) (local web service provider). Both provide similar services however the main factor is the price of the product.

**Success criteria**

1. Users can create and modify their accounts.
2. Users can login with an account and reset their password.
3. Users can create, edit, delete and view posts.
4. Users can report posts.
5. Users can search for posts in specific category, area or keywords in the title and description.
6. If rating of post or user is equal to 1, the post is hidden or the account is suspended
7. Users can message each other.
8. All input fields are validated for proper data type and are being checked for any inappropriate phrases.
9. The website is responsive for different screen sizes.