**Which L3 course(s) will be the base for this project:**

My main module will be TM352, as I will be designing web application and making use of cloud technologies. I will also use ideas from TM354 for testing my code as I progress and possibly to make use of specific UML diagrams, like activity diagram, to help me illustrate problem before attempting it with coding. TM356 will be used for prototyping and help visualizing different designs.

**The problem is:**

My friends and I often spend our free time playing different tabletop role-playing games together. During our gaming sessions there is always a need to create non-player character (NPC) on the go, which can be used as an ally for players or as their enemy. There are some non-player character creators out there on the Web, however mine will be specifically for creating characters in Warhammer Fantasy Roleplay. My character creator will be able to create characters needed for Game Master based on their individual needs: it could be generated randomly, with or without specific skills, with predetermined, random or partially predetermined values, like Strength or Agility. Character sheet will be based on character sheet from Warhammer Fantasy Roleplay. Player will be able to create random or predetermined characters, modify them on the go according to needs, save and load them when needed, create account and sign up to it.

**The stakeholders are:**

All role-playing game enthusiasts and Dungeon Masters playing Warhammer Fantasy Roleplay, who want to quickly create different characters, either on the go during session with friends or while creating adventures for them.

**The user is:**

Dungeon Masters.

**I have/will be able to find out more by talking to:**

I will need to speak with people who are Dungeon Masters. I will also need to speak with people who enjoy Warhammer and play it as players, to get to know what they are expecting and what I am missing.

**The skills I have from my L3 study include these which are relevant to the proble****m:**

HTML, CSS, JavaScript, JSON, Responsive Design, accessing and using Cloud, creating UML diagrams, prototyping.

**The ways in which I will be moving my skills and knowledge beyond the L3 module(s) are:**

I will expand on my JavaScript knowledge by using features from ES6 version and beyond. I will use Sass as an alternative of CSS. I will expand on my testing knowledge by making use of Jest to test my code. Moreover, I will expand on my cloud computing knowledge to make use of Firebase Hosting, to be able to pass and collect data for the needs of my program. I will use it to create storage for programs data. At the moment I am thinking about using React as my JavaScript library. I have decent working knowledge of JavaScript, but never used React before. I will also expand my knowledge on good practice of how to design good and accessible design for my program, before starting to code. I will use Git and Github to follow my progress, and also will use Ubuntu as my operating system.

**Any legal or ethical ramifications that might occur:**

I will need to follow legal obligations related to using services of cloud computing provider, such as data protection or user confidentiality.

**The end product I will deliver will be:**

Character Creator with database.