Project Proposal

**Body Modifications Appointments (BMA)**

**A website for managing appointments for tattooists, piercers, body modifiers and their clients.**

Joey Tatú

15015556

joey.tatu@student.ncirl.ie

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# Acronyms

BMA – Body Modifications Appointments (working name)  
Artist – a tattooist, piercer or body modifier

Client – a customer of the artist  
User – either an artist or a client  
Shop – a shop that does tattoos, piercings and/or body modifications.

# Objectives

## General

The object of this Project is to take a bricks-and-mortar scenario of where artists and clients process appointments and payments manually, and create a website where this can be automated.

There will be two main types of accounts on the website; shops and clients. The shop account can either be a solo artist or a collection of artists.

## Databases

There will be two databases connected to the website. These will be encrypted to avoid leaking private information. There will be a Shop database and a Client database. Here is an example of what type of database is expected.

[Insert Database image]

## Reviews

Reviews of the shops will be generated by the clients. These will be visible on the Shop’s page on the website. The shop can choose to hide a review. Clients must have at least one previous booking with a particular shop to review that shop. This will avoid people never visiting the shop or artist posting reviews.

## Appointments

Shops will generate what days and times the artist(s) are working. The client will book an appointment that is free with the artist. Sample sizes will be provided to generate the correct amount of time to be reserved. A deposit or full payment will be required from the client to confirm their booking.

## Artificial Intelligence

# 2. Background

“The idea was born in early 2018 when I was on a site called Inked-Up.com.” This site is specifically for men with body modifications. The website feels as if it’s catering to a very specific niche and it has very little else to offer. I was using the site extensively myself, as it’s an interest of mine. The site was heavily coloured and with dark colours and it felt as if it hasn’t been updated in a very long time. I felt as if the server for the site was a clunky old thing that people kicked if it failed ti get it working again. It feels very outdated and lacking interest. (Tatú, 2018)

“In 2018, I wanted to create a mobile application to not be in direct competetion with Inked-Up.com. But after talking to my tattooed and pierced friends, not many had heard about Inked-Up.com or didn’t like how “adult” it seemed, or how it was directed at men-for-men as it felt more like a dating site instead of a social networking site. I wanted to create a website for people with tattoos and piercings that grandparents would be comfortable with, knowing their grandkids where on this site, and to be inclusive of everyone.” (Tatú, 2018)

“I wanted a social networking site where everyone is welcome. Seemingly, the likes of Facebook, Instagram, Twitter, Tumblr and Flickr all have their own niche audienience and users. Why does it seem like tattooed and pierced people need to use a combination of these to be socialable?” (Tatú, 2018)

“With that, the idea of Social Modifications was born.” (Tatú, 2018) Sadly, this fell flat in January 2019. I became overwhelmed with other projects and was burnt out. Also, I didn’t have the facilities to create an Android application.

I found that when I was booking tattoo appointments, I felt it was a little more complicated than it needed to be, trying to contact the artist or the shop. Delays in communcation were present. There is also an issue with people booking appointments, not paying a deposit and not showing up, wasting the artist’s time.

To remedy this, I thought about creating BMA. With BMA the artist can tell the system what days and times they work and then clients can book a date and time when the artist is free. Clients will also be able to rate the artist and/or shop the artist works in and leave them a review.

# 3. Technical Approach

“In order to do this project, I will need to complete the Requirements Specifications. Based on previous projects, it’s best to set goals now and in the requirements, than trying to fix them at a later stage. Over the next few weeks, I will begin creating the prototype and preparing for the Mid-Point Presentation and then further develop this after.” (Tatú, 2018)

For version control, I will be using GitHub and Git Bash (Tatú, 2018) (<https://github.com/JoeyTatu/SoftwareProject>)

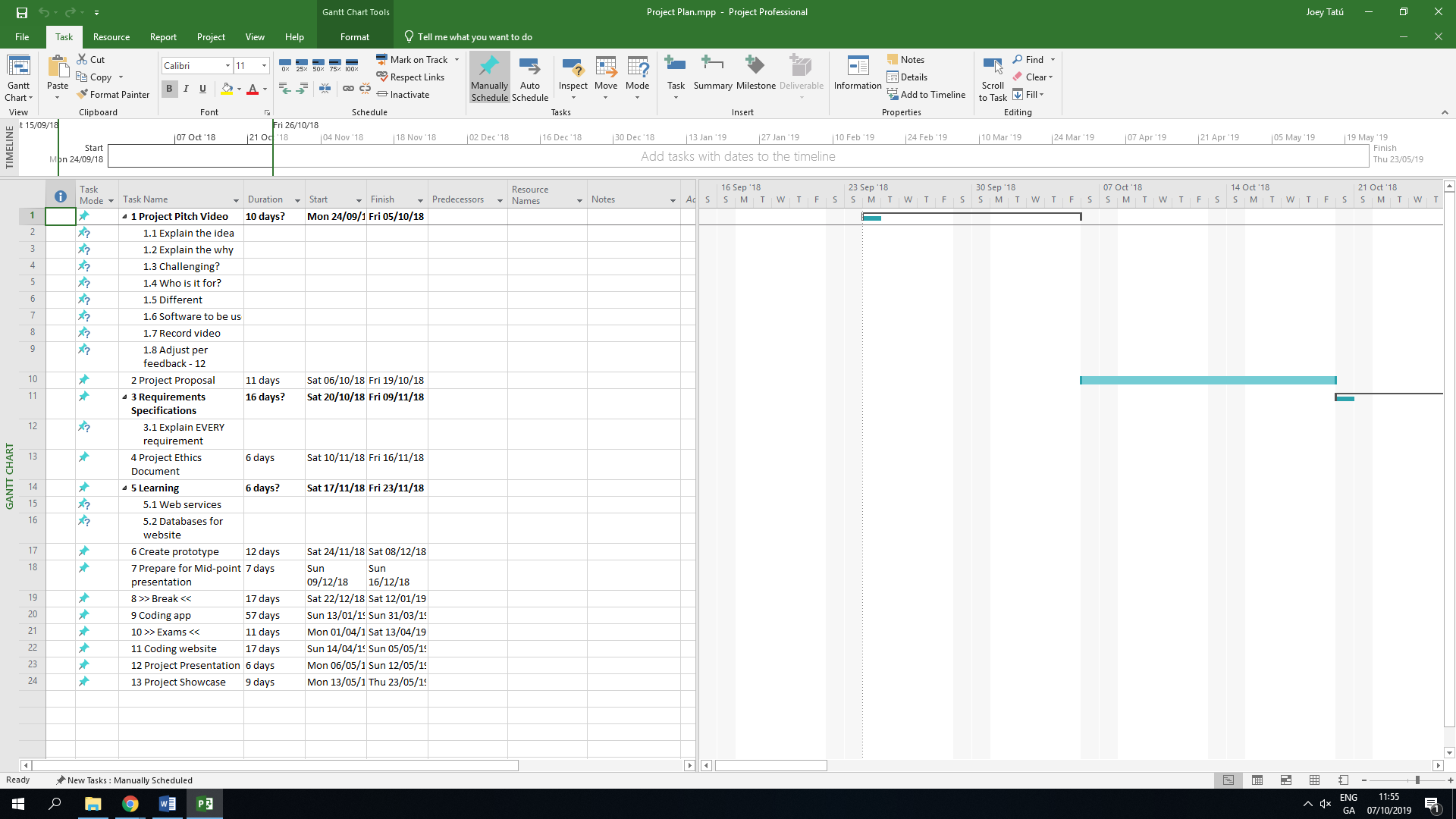
I wish to do some Java, JavaScript and jQuery refresher online courses. I feel this will be very beneficial for the project. If I need to learn new languages, I will research on how to do this.

“I will be using a mix of Kanban and Scrum (agile) methodologies as I will be able to lay out what is needed for the project, to keep myself organised and on-track, and to adjust to my supervisor’s feedback where needed.” (Tatú, 2018)

# 4. Special resources required

This project will be completed online, as much as possible. The reason for this is that I don’t have a personal computer with a large RAM to asssit me. “I suspect I will be using Amazon Web Services or a cheaper alternative.” (Tatú, 2018)

# 5. Project Plan



“This is currently the Project Plan. This will be updated on a regular basis and especially after I complete the Requirements Specifications.” (Tatú, 2018)

# 6. Technical Details

“The standard Web design coding such as HTML, CSS, XML, JavaScript, etc., will be used along with SQL” (Tatú, 2018) Java will also be used for the automated appointments.  
  
“I am very familiar with web design coding and SQL coding from previous projects in college and with personal projects.” (Tatú, 2018)

# 7. Evaluation

For testing, I will be generating both a artist and a client account, and testing how the artist sets the booking times and how the client books the appointments and leaves reviews. I will also be “booking” appointments once a month for in four of the months, to see the automated appointment being generated in month five.

“I will also be doing API checks. I will also be doing JUnit testing to test how the website responds to different environments”. (Tatú, 2018)

# References

Tatú, J., 2018. *Social Modifications,* Dublin: s.n.