

Project Schedule

MaryandAmy

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Webskit

Table of Contents

[Contact Details for Authors 2](#_Toc498972864)

[Project Background 3](#_Toc498972865)

[Aims and Deliverables 4](#_Toc498972866)

[Cost Estimation 5](#_Toc498972867)

[Gannt Chart 6](#_Toc498972868)

[Ethical and Legal Issues 7](#_Toc498972869)

[Individual SWOT Analysis 9](#_Toc498972870)

[Julien Vertz 9](#_Toc498972871)

[Richard Jr. Tamargo 9](#_Toc498972872)

[Pritam Sangani 9](#_Toc498972873)

[Ben Scott 9](#_Toc498972874)

[Jeffrey Wong 9](#_Toc498972875)

[Bilal Yousf 9](#_Toc498972876)

[Group SWOT Analysis 10](#_Toc498972877)

[Risk Assessment 11](#_Toc498972878)

[Appendix 12](#_Toc498972879)

[References 12](#_Toc498972880)

[Ethical and Legal Issues 12](#_Toc498972881)

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# Project Background

Currently the company for our live project is named “Mary and Amy”. Judit Tolnai, the current owner of the company, acts as a conduit between the company and the 2 teams of students, specialised to create the front end and back end. The company was previously a different organisation with the name of “bake my cake shop”. During this time they had around 10 contacts, which was bakers, as well as a website of their own, created by the client’s husband. The old website was created using a drag and drop website creator and used noSQL to create the database. The problems with the old database was the security, navigation and the functions to requests for multiple bakers. With these problems the owner chose to close down the website and decided to start anew with “Mary and Amy”.

Currently the organisation has no capital except for the web address “[maryandamy.co.uk](http://maryandamy.co.uk/)”, social media accounts and contacts with third party payment company’s. “Mary and Amy” intends to act as a link between customers and bakers, when the customers want to order cakes from the bakers. The company gains profit from successful transactions, the sales of advertisements and other luxuries for bakers.

# Aims and Deliverables

# Cost Estimation

|  |  |  |  |
| --- | --- | --- | --- |
| **Task list** | **Time(hours)** | **Training(hours)** | **Meetings(hours)** |
| **Database** | 30 | 1 | 4 |
| **Mapping** | 15 | 1 | 0 |
| **Payment system** | 35 | 4 | 3 |
| **Discussion system** | 25 | 2 | 2 |
| **Email notification** | 15 | 3 | 0 |
| **File downloads** | 4 | 0 | 0 |
| **Enquiry form** | 20 | 0 | 2 |
| **Ratings and reviews** | 20 | 2 | 1 |
| **Login and accounts** | 25 | 2 | 1 |
| **Admin permissions** | 20 | 3 | 1 |
| **Hacking and bot proof** | 20 | 1 | 3 |
|  |  |  |  |
| **Estimated Total time** | 229 | 19 | 17 |
| **Total time(hours)** | 265 |  |  |
| **Overall estimate time(hours)** | 320 |  |  |
|  |  |  |  |
| Extremely high priority |  |  |  |
| High priority |  |  |  |
| Average priority |  |  |  |
| Low priority |  |  |  |

# Gannt Chart

# Ethical and Legal Issues

Throughout the development of the web-shop, we shall need to consider many legal and some ethical considerations, mostly in relation to the technologies we shall be using.

To begin with, we shall be making use of Oracle's MySQL relational database management system. This product is somewhat restricted in the ways it can be used for for-profit purposes due to it being "under version 2 of the GNU" (Oracle, 2010) (also called the GPL/General Public License). This gives us a few options for its commercial use; we could request that the client makes the code of her website "available in the open source sense" (Kofler, 2007) which will allow her product to be both commercial and not go against the GNU. However, this solution is unlikely to be approved. A better solution is to purchase a MySQL license, whether it be a MySQL network license (applies to one computer/server for one year) (Kofler, 2007) or through the "Classic Commercial MySQL License" (Kofler, 2007). It is possible though that GoDaddy (the company the client currently is hosting through) already purchases and provides the MySQL license when you pay for a business account with them, in turn resulting in no action that needs to be taken by our development team.

Additionally, as part of the specification of the web-shop, the client wished for pdf document reports to be generated. To achieve this, we needed an open-source PHP pdf generator library. In this case, we shall use the fpdf (free pdf) library, which is available "under a permissive license" (FPDF, 2002) and entirely free for commercial purposes.

With the exception of the above two, all other technologies that we shall be using, including HTML, CSS, PHP, AJAX and node.js, are open-source and entirely free to use for commercial purposes.

Besides the fact as to whether technologies are open source, consideration will need to be taken into copyright, especially of images. If the client supplies us with images that they either don't own the copyright for or don't have permission to use, then they could end up with legal issues and their company could face a reduction in its reputation. Moreover, inline linking of images should be avoided as "it could…be a violation of copyright" (Stevens, 2017) due to a lack of permission to use the images, additionally this could be considered ethically wrong due to the inline linking of images using up the bandwidth of the server that you got the image from, in turn causing a reduction in their profits due to lost advertising revenue. However inline linking should not be too much of a concern as most images would be stored locally and we may warn the client of these issues if needed.

Moreover, considerations of the privacy of the client's website must be considered. For the most part, the client will need to provide us with a privacy policy due to the storage of data about the customers' and sellers' postcodes, names etc. Furthermore, security of the website is of the utmost importance due to the risk of data leaks and the creation of malicious links within the website. For the most part, we shall be able to prevent this via the use of prepared statements to prevent SQL injection and by preventing cross-site scripting (the injection of JavaScript code into a website).

Overall, the legal and ethical considerations of the project mainly relate to copyright and the use of images, and the protection of sensitive data. The first of which can be easily resolved by ensuring that the client supplies us with non-copyright infringing content and the second can be dealt with during development, with the use of prepared statements to prevent SQL injection and by encoding information that is input to ensure it is not treated as HTML/JavaScript code to prevent cross-site scripting.

# Individual SWOT Analysis

## Julien Vertz

## Richard Jr. Tamargo

## Pritam Sangani

## Ben Scott

## Jeffrey Wong

## Bilal Yousf

# Group SWOT Analysis

# Risk Assessment

|  |  |
| --- | --- |
| **Issues** | **How they could be improved** |
| Communication | This can be improved by giving out contact details to every member of the group via phone or email. |
| Organising group meetings | The leader of the group must organise group discussions through communication or on site and making sure that members attend |
| Obtaining resources | Some projects require Important resources to run the project which is why it’s important to have a list of resources before proceeding. |
| Absence of members | Some members may be absenting from the group meetings and this is something that the leader needs to take note off. If the absence of one member is consistent, then he or she must contact that member and ask them why the absence is continuing. |
| Illnesses | Team leaders and members may fall ill during a group project and it’s important that the members have a discussion between each other as to who should take over a certain position if that space is empty due to an illness of the member. |

# Appendix

## References

### Ethical and Legal Issues

FPDF, 2002. *FPDF Library.* [Online]   
Available at: http://www.fpdf.org/  
[Accessed 4 November 2017].

Kofler, M., 2007. *Using MySQL licensing: Open source license vs commerical license. techtarget..* [Online]   
Available at: http://searchitchannel.techtarget.com/feature/Using-MySQL-licensing-Open-source-license-vs-commercial-license  
[Accessed 4 November 2017].

Oracle, 2010. *Commercial License for OEMs, ISVs and VARs..* [Online]   
Available at: https://www.mysql.com/about/legal/licensing/oem/  
[Accessed 4 November 2017].

Stevens, P., 2017. *Legal and Ethical Issues in Web Design.* [Online]   
Available at: https://paulstevensdesign.wordpress.com/2012/01/02/legal-and-ethical-issues-in-web-design/  
[Accessed 6 November 2017].