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A Website Translation Service

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Abstract

Since the writing of the earliest manuscripts and documents there has been a need for translation so that the people of the world could understand what had been written or said, in their own native language. Translation is just as relevant today as it was thousands of years ago, although the processes have modernised considerably. The focus of this project is to create an online presence and document delivery system for a Glasgow based translator who is creating her own document translation business. Our goal is to improve upon the translation sites currently available and to give a unique, modern and fresh feel to translation.

Education Use Consent

We hereby give our permission for this project to be shown to other University of Glasgow students and to be distributed in an electronic format. **Please note that you are under no obligation to sign this declaration, but doing so would help future students.**

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Chapter 1

Introduction

This article assumes a basic general computing knowledge from the reader. If any words or phrases are not understood, consult the glossary of terms (Section A) at the end of the document. All content is owned by the authors of this document or is otherwise referenced in bibliography (Section ??)

1.1 Background

As part of our degree in third year we are tasked with a team project. This relates to computing disciplines new to us and draws on knowledge gained from the preceding two years at University. Teams were randomly assembled at the beginning of semester and our team received the project to create a website providing a document translation service for a real client. It was a pleasing allocation mainly due to the latter part of the task: the fact we would be working with a real client. This bespoke web-based service builds on our client's existing business model, with the specific aims to bring about an expansion in her company, while also facilitating an improvement to her working practice as a whole.

There are many translation services available on the Internet already, a simple Google search for online translation returns around one hundred and fifty nine million results. We have looked into various different types of translation and interpretation websites during our research and have found pros and cons from each. This vast number of already available websites creates a desire of competing with what's already available, by trying to improve areas where other websites have fallen short. We believe one of the key factors that makes a modern website successful is minimalistic design: it offers simple and effective functionality and is aesthetically pleasing. The combination of these things means users are more likely to use the website after stumbling across it in a search, perhaps, and will ultimately give our client a larger customer base. To clarify, we are not trying to re-invent the wheel with our project. We have used frameworks and other free source components in the development of our website. The system is mainly built around the LAMP structure, i.e., Linux + Apache + MySQL + PHP. We believed that these choices would lower the costs of an eventual upgrade of the system, as opposed to having used some more exotic technologies that come at the cost of losing the robustness and stability that we needed. We aimed to maintain a user friendly feel and look and believe that is something we accomplished well. One of the things that encourages

this notion is the fact we have created a simple 3-stage process in which users can register, upload documents, and request languages to translate to.

1.2 Aims

To briefly summarise our task at hand: we are to develop a website for a free-lance translator. It should allow users to upload documents, request one of the available languages to translate to, and submit a request for translation. Our client should then be able to review those submitted documents and send a quote to the user for the job to be translated. If happy, the user should then be able to pay for the job(s) via Paypal, and then receive their translated document after a period of time. Additional required features of the website will be discussed later. Listed below are a few important points on why using a software system to manage documents and to keep track of discussions and tasks has advantages over the current system. It also serves as a rough timeline of the clients activity:

- makes **planning** deadlines easier, since computers are better than humans at taking large amounts of data and comparing, adding, etc.;
- makes **file managing** easier;
- improves **productivity** - now that the other two are out of the way, the user of the system has more time to think of things that matter more.

By having all the job details clearly stated and planned, the clients are encouraged to pay more attention and to take it more seriously. It also introduces the notion of accountability on both sides - client and translator. Having a detailed log of all the documents delivered to which clients and when, would make keeping track of the activity easier to do. By using an electronic payment system, the risk of having unpaid jobs is greatly reduced. It also gives the business a more professional look and makes our client less vulnerable to hacking attacks as opposed to other methods of payment.

1.3 Motivation

An essential part of our requirements gathering process was the first meeting with our client, Joelle Cimatche. Our team had been forewarned by our supervisor that the client was not very "technically minded", so we tried our best to prepare questions that did not assume she had much experience with a computer. It's fair to say that after reading the initial brief for the project we made assumptions as to the needs of the client, addressing the problem from our viewpoint. Realising we should expect to review these assumptions during the process of working on the requirements capture is a valuable lesson for future employment. Working with an individual or organization, firmly on the periphery of Internet technology adds it's own challenges, particularly during the requirements capturing process. At the meeting, the client explained she had a very basic understanding of word

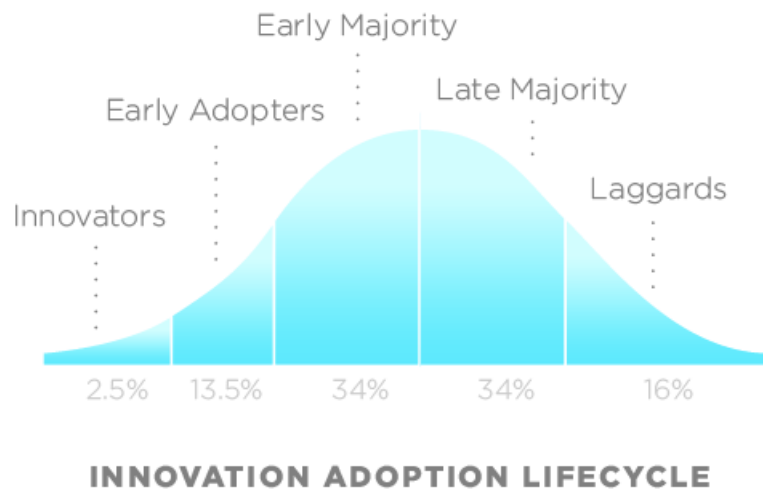


Figure 1.1: Roger's bell curve, source: <http://en.wikipedia.org/wiki/File:DiffusionOfInnovation.png>

processing applications and the Internet, and not much else. This presented us with an additional challenge. We couldn't simply relay technical jargon to the client and expect her to provide useful feedback. Not only that, our team would have to create a very easy-to-use admin end to the website that she could master easily.

As we advanced the development of the website, we would have to be very clear and straightforward when updating her on our progress. We accomplished this mainly through emails containing concise, clear and jargon free status updates on the website progress. These updates had been sent at important stages of development such as the transition from the design inception to the early implementation. The reason for this is that we want to build something that the client wants, not something that we think the client wants. When we felt there was a need to ask the client about her opinion on some certain aspect of the website, we emailed her without hesitation and she was quite often happy to accommodate the new changes. It seemed that she was prepared to grant us some degree of trust with creating her website, which certainly helped, but we still sought her opinion of most changes that took place. Arguably then, communication with our client has been crucial to the design of this website. Our communication was put to the test when we had to get her to sign up for her own web server. We had to prepare a lengthy, detailed and broken down walk through of how to purchase website hosting. For an average user of the Internet, this task would have been far less demanding. However, our client's expertise in this domain required far more patience. **Figure 1.1** somewhat illustrates the challenge we have. It is basically the "adoption rate curve" for a percentage of users of new technologies. In other words, how quickly users are prepared to adopt a new technology after it is first released. It is known as Roger's bell curve. Our client would be at the far right end of the spectrum, in the 16% of users described as "Laggards" in the graph.

Another perspective to consider is how users actually come to accept and use a new technology, and the factors that influence such a decision. **Figure 2.2**, otherwise known as the Technology Adoption Model (TAM) provides a graphical realisation of this.¹ The model suggests that when users are

¹http://en.wikipedia.org/wiki/Technology_acceptance_model

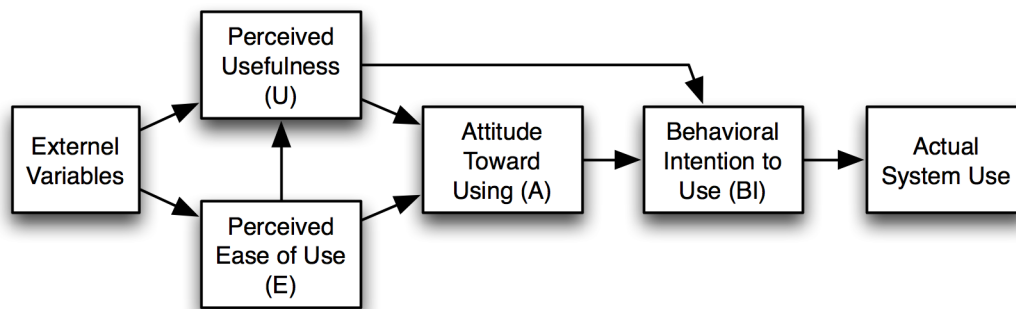


Figure 1.2: Technology Adoption Model, source: http://en.wikipedia.org/wiki/File:Technology_Acceptance_Model.png

presented with a new technology, a number of factors influence their decision about how and when they will use it, notably:

- Perceived usefulness (PU) - This was defined by Fred Davis as "the degree to which a person believes that using a particular system would enhance his or her job performance".
- Perceived ease-of-use (PEOU) - Davis defined this as "the degree to which a person believes that using a particular system would be free from effort" (Davis 1989).

From our early meetings with our client, we believe we can make well informed assumptions about these two aspects. Since the client has especially contacted the University to ask for such a website to be implemented, and the fact she currently has no online presence already, it is our understanding that she believes this website or new system will definitely enhance her job performance. We have some reservations about her perceived ease of use however. As is explained earlier, she is very inexperienced with Internet technologies in general and may not feel entirely comfortable when faced with the new system for the first time. It is our main task to achieve simplistic, user friendly design that she can learn to use as quickly as possible and overcome any early doubts about the system. We believe that the usefulness of the website in the nature of her work greatly outweighs the challenge of having a novice user, although it is certainly a trade off we have to be mindful of.

Reflecting on our experiences in our project, working with the client has not been exceptionally easy. One of our main challenges is that our client is a novice computer user. Quite ironically, it has been a task for us to translate regular computing jargon into layman's terms in order for them to understand. This was critical in our requirement gathering process. In spite of this additional challenge that teams working with other projects might not particularly face, it is not necessarily something that is discouraging for us. When we eventually graduate and face real world software projects, it won't always be technically minded people like ourselves we deal with, it will be people who are more similar to our client. It will provide us something to draw upon when we are asked to recount our experiences in future interviews. The opportunity to work with a real client will serve us as great preparation for working life.

Our project lives on the Internet. Ten years ago, the Internet was everywhere, but now it's even

more so. It's a rapidly evolving area where new technologies and new techniques are developed very quickly. These have been made easy to use by anyone, regardless of: computer knowledge, nature of their device (mobile or desktop) or their operating system. All they need is an up-to-date web browser - arguably an easy requirement to fulfill, since most of them update automatically. So, there is a large audience that our project can reach, and that is considerably motivating for everyone in our team who worked on this project.

1.4 Preliminaries

To understand this report it is necessary to understand that we do not have to implement a translation algorithm. We are providing customers with an interface to send documents to be translated by a professional translator for a fee, and then returned in the chosen translated language using the same web interface. To understand the process that we have devised it would be advantageous to have a simple understanding of how a database works. As mentioned earlier, we have adopted several frameworks in our project development. These include Bootstrap (CSS, HTML), CodeIgniter and phpMyAdmin (all of which are discussed in Section 2 later). These frameworks provide advanced functionality which will, in most instances, not be necessary for our project and will not be utilised. Conversely, it allows us to demonstrate that we are professional software developers and that we are capable of software re-use.

1.5 Outline

The remainder of this report will go into more detail on the background research of our project, expand on our motivation and set out our group organisation and project plan. After this we will detail our design ideas and methodologies, before moving on to document our implementation, testing and evaluation. We will then discuss any problems encountered and the results of our evaluation before revealing the final status of the project, giving a detailed outline of the deployed site including any graphics and information relating to Bethel Translations.

Chapter 2

Design

2.1 Requirements Gathering

At the beginning of our project we met with our client and our project supervisor to discuss her requirements. Our client currently translates for an agency and is looking to create her own translation business. To this extent she wishes to have a website built to allow her to gain an online presence in translation and to digitize the process of receiving and sending translations. We were armed with a long list of questions and ideas for the meeting and a transcript is included as an appendix.

As software developers naturally would when creating anything from scratch, our team looked for similar websites already in existence. We identified common useful features of each, and also those features that were not so useful, and listed some we thought could be useful but simply did not exist in any of the sites we examined. One recurring theme we noticed in a majority of similar translation websites was that the home page was very cluttered and full of text. In other words, the process that the user had to follow to obtain some translation of a document was not extremely clear. Instead, they were met with various registration options, other services and annoying advertisements. **Figure 2.1** is a prime example of such bad design practices. It is cluttered, unclear and unattractive to potential customers. The most intriguing thing about the website in particular is that it is ranked *first* in a Google search for the term "document translation". Rather alarmingly it seems this site has prioritised search engine optimisation over actual usability. We therefore felt encouraged that there was certainly room on the online domain for a document translation service that was simpler, better designed and more intuitive to use.

From previous modules in our degree, namely IM2 and IS3, our team had experience of applying Jakob Nielsen's heuristics to obtain a successful user interface. We wanted to develop the idea that our website would display the minimal amount of information to a user by providing the registration, document upload and language selection elements on a single page, in a simple 3 step process. Our interface would then fall in line with the principle that user interfaces should have an aesthetic and minimalist design.¹ We believe this is an extremely important aspect of any modern website based on the way that users make a decision of whether or not to use the services offered by the website. For example, imagine a user enters a Google search for "Translation service" and clicks our website in the results page. If the page they are met with looks too complicated or confusing in

¹http://www.useit.com/papers/heuristic/heuristic_list.html



Figure 2.1: Online document translator, source: <http://www.onlinedoctranslator.com/>

nature, the user simply clicks "Back" on their web browser, and goes to the next appropriate web page. If however the website looks clean, simple, and easy to use, the user would be more inclined to use it properly. We believe that our 3-step process found on the home page encourages anyone that requires a translation service for the provided languages to at least try for a quote, if not go through with the whole process.

With this approach in mind, we began to create some wireframes in order to form a solid idea of how this 3-stage process would physically look on our website. **Figure 2.2** illustrates our early attempt at doing so.

The layout is intuitive, flowing and simple to approach. In this early design we have split the page into two sections. In section 1 the user is presented with a short amount of precise text detailing the main function of the site. Subsequently, in Section 2 the user simply enters some details, adds the documents, sets the requirements and clicks a button to request a quote.

There is no daunting, large form based entry that some other websites encapsulate. It is minimal and it is undemanding of users. Obviously, the majority of the work done by our system would be when the user clicks "Get your quote", and the system would have to register a user (pending email validation), upload their documents to the file store, associate a jobid and requirements, and place the job in our client's pending work queue. The implementation of such functions are discussed later in Section 3.

2.2 User Process

With this 3 stage process as our main design factor of the website, we began to consider the main user groups of the website. We identified the needs of two main user classes: the **clients** and the

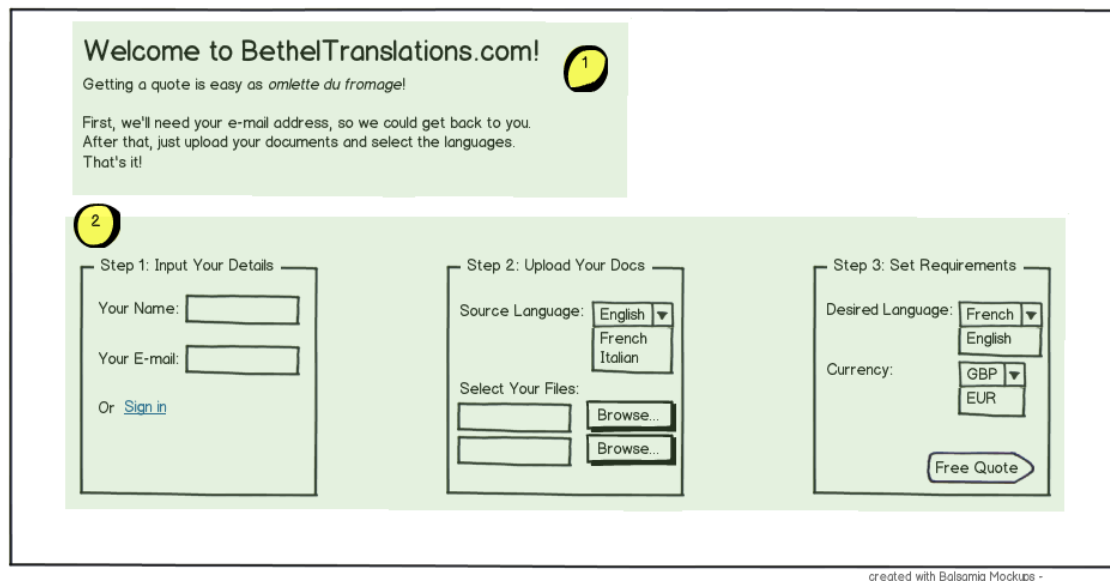


Figure 2.2: The 3-step process

translator

The clients are the users of the service, the visitors of the website. However, as far as the system is concerned, not all visitors are clients, because, in order for a visitor to become a client, he must register with the service. So we decided to have a visitor as a category with a registered user a subcategory. A registered user would then possess all the same abilities as a visitor with some specialised capabilities:

Visitor

- **Rationale:** The visitor is just visiting. An anonymous visitor of the website.
- **Background:** "I need to get some documents translated. I came across this website and before I register or send any of my documents, I want to make sure that I'm dealing with a serious service."
- He is a potential client, therefore the steps which he must make in order to become one must be as clear as possible.
- His **goal** is to inform himself about the service. In order for him to be converted, he must be convinced that the service provided is of great quality, so the system's goal is to make itself trustworthy. Also, a clear privacy policy regarding e-mail addresses and the documents should be available, since they might contain sensitive data.

Client

- **Rationale:** The client is a registered user of the system.

- He has the same goals as the visitor, but, now that he is registered, he trusts the service a bit more. He has access to all the documents that he ever submitted for translation and can view each of the **job statuses** for which his documents are contained within. He can view documents he has paid for, and up to a certain period of time, download both the original copy and the translated copy. He can also view some other useful statistics on his previous jobs.

Administrator/Translator

- Rationale: The translator is the one answering all the translation requests.
- "As a translator, I must review the documents that my clients send me and quote them. After that, I must also translate them and let them know that I finished work."
- His goal is to answer to all of the client's requests, i.e. to quote By having all the details clearly stated and planned, the clients are encouraged to pay more attention and to take it more seriously. It also makes both sides - client and translator - more accountable.

Having a detailed log of all the documents delivered to which clients and when, would make keeping track of the activity easier to do.

By using an electronic payment system, the risk of having unpaid jobs is greatly reduced. It also gives the business a more professional look. the documents that are received and then translate them and send them back to them.

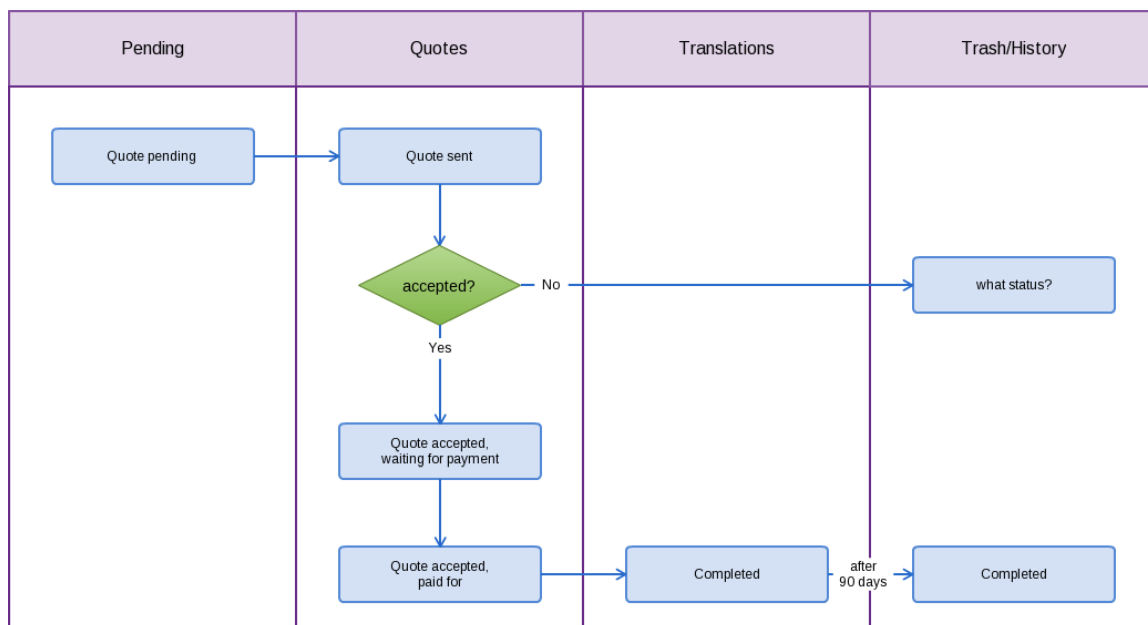


Figure 2.3: The transition of jobs through "statuses"

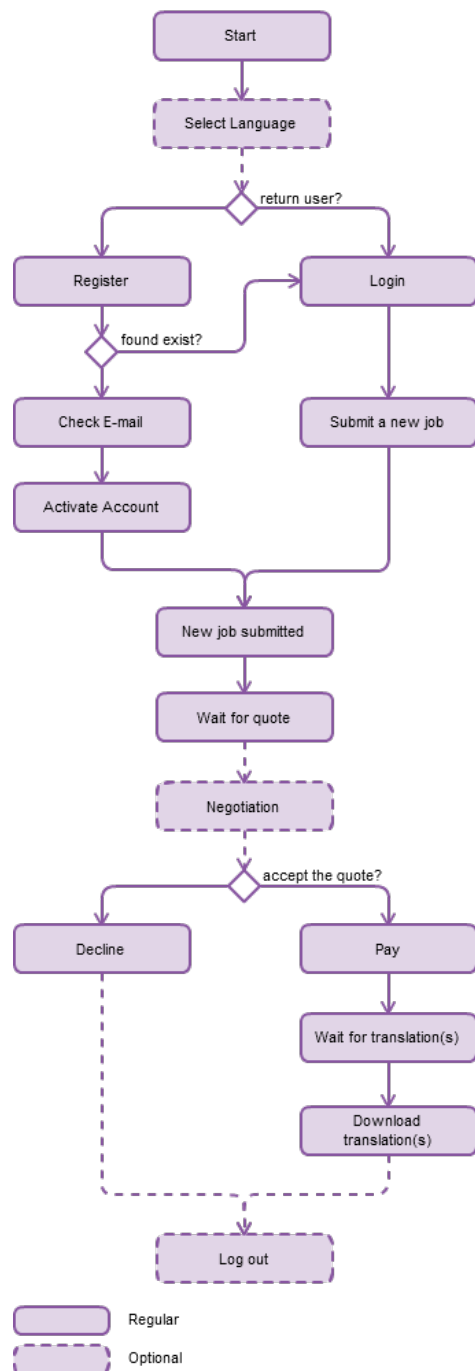
Building upon the needs of these user classes, we needed to design a flexible system that provided functionality for all of these goals. Our main focal point would be the transition of **jobs**. In the context of our system, a job is what the website creates when the user uploads one or more documents for translation. Clients (registered users) would submit and pay for them. The translator would review them, download them and upload them. We considered the transition of jobs throughout the

life cycle of a translation, as job statuses, and produced a sequence that is illustrated in **Figure 2.2**.

The diagram is much self-explanatory, but to summarise: Jobs that are submitted by the clients are placed in a **pending** work queue. The translator is able to review these documents and send some quote to the client. After a job has been quoted, it is placed in the **Quotes** queue. Quoted jobs are held in this queue until they are paid for via Paypal. When this has happened, they are moved to **Translations**, which is a breakdown of completed jobs. After a period of 90 days, jobs from this section are moved to **History** in order to reduce space on the server.

The transformation from this design plan to a viable user interface that is built upon these job statuses is described later in Section 3.

Normal Flow for a Basic Translation Service



Other than those above, the client may:

Navigate the links on the main menu: read the “About” page (information about the service and the translator); read the “Testimonials” page; contact the translator in the “Contact” page through the contact form; request other services (Edit and Proofreading, Over-the-phone Interpreting and Video Remote Interpreting) in corresponding “Service” page through the contact form.

Check the history records through buttons in dashboard, namely accepted jobs, declined jobs and finished translations. Also she/he may download the past translations in “History”.

First the client will have the option to switch among 3 displaying languages, namely English, French and Italian.

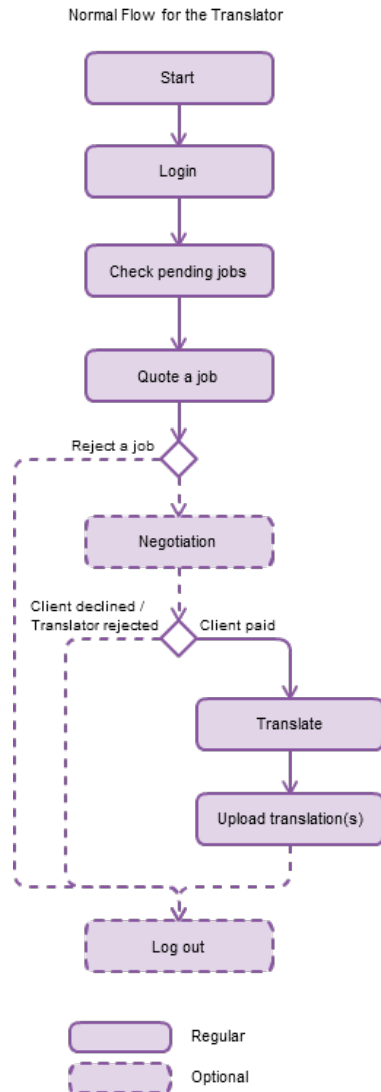
To use the translation service, one must first register by: inputting name and e-mail address, uploading one or more file(s), and setting translation requirements (source/desire language, currency and due date). Note that uploading is required so that only those who are actually going to use the service are allowed to register. Also, e-mail activation is required to finish the registration. If the system finds that the inputted E-mail address has been registered, the client will be asked to login.

Either by finishing the registration process or by submitting a new job (uploading file(s) and setting requirements) after login, a new job is submitted.

Meanwhile the translator will quote the job and a negotiation on details such as price or due date will possibly happen during this stage (it is optional, however).

If the client decides to accept the quote she/he will need to pay immediately through PayPal or could just leave it as quoted. Then the file(s) will (hopefully) be translated by the due date and a download link of the translation(s) will be offered in the client dashboard.

If the client decides to decline the offer, the translation service process will be canceled.



First the translator will be directed to the admin dashboard, in which she/he will (probably):

Check all pending jobs, and pick one to quote.

The quoting process will include: check the job requirements, download the files uploaded in the job, read through the documents, set a quote and confirm it in the dashboard. During this process, the translator may reject a job within any stage.

A negotiation between the translator and a client may happen during or after the quoting stage. They may communicate via e-mails.

If no rejection or declination happens, the translator will then be waiting for the client to pay. Only after the payment is successful an actual translation process will start.

Finally the translator will upload the translated documents to the server through the admin dashboard.

Other than those above, the translator may:

Check processed jobs with different status in “Quoted”, “Accepted”, and “Declined” sections in the admin dashboard respectively. Also all recent translations can be downloaded through “Translations” and all past translation records can be found in the “History” section.

View the statistic data for the website in “Site Statistics”.

Navigate the links on the main menu: read the “About” page (information about the service and the translator); read the “Testimonials” page.

2.3 System Design and Wireframes

After laying out the process of the website we focused on organizing the content and on the wireframes.

2.3.1 Information Architecture

We analyzed the requirements and made a website structure diagram (Figure 2.4).

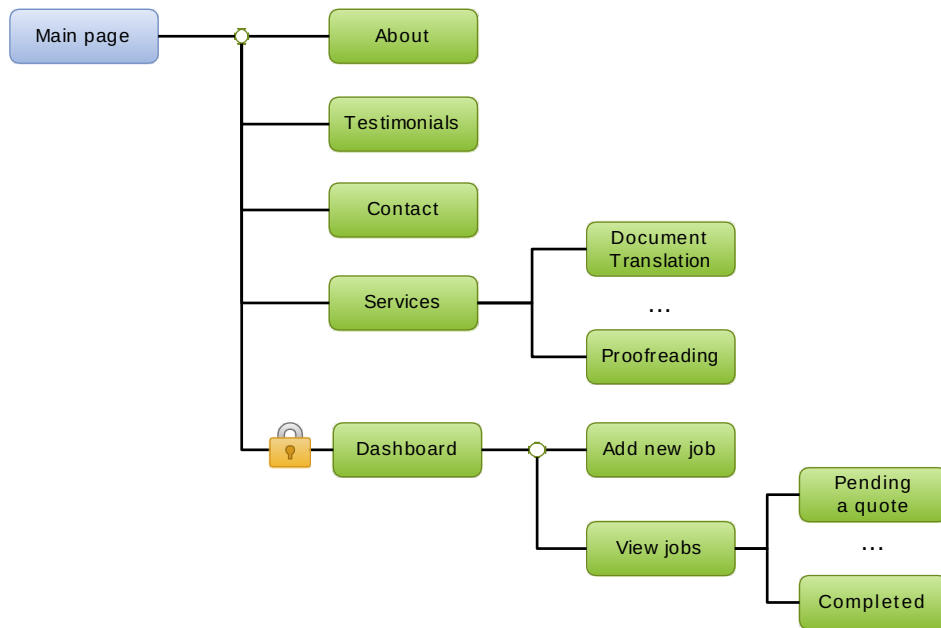


Figure 2.4: Website structure

2.3.2 Wireframes

Wireframes are blueprints of the website, representing every important page and their structure and behaviour. They focus more on what elements would a page contain, and their place on the page, rather than a refined design. Therefore, these sketches take form of rough drawings of the final design, usually keeping things like images or colours out, because they can distract the reader from his main purpose, which is analyzing the layout of that particular page, rather than the visual design.

Conventions used in the wireframes:

- **Green background** and/or **yellow labels** - are used to indicate specific groups of content that will be referenced in the document.
- **links** - blue text and underlined

By the nature of their content, the pages can be categorised into static and dynamic. Static pages displays the same information for all users, regardless of their status (logged in or just visiting, client or administrator). About, Testimonials and Contact are such pages in the system described here. On the other hand, dynamic pages draw some data from the database and display it accordingly. In this case, the dynamic pages are the ones in the dashboard (both clients and administrators) since the information there is specific to every client.

Template

All the pages have this basic layout comprised of the following sections:

- Header
- Content area
- Footer

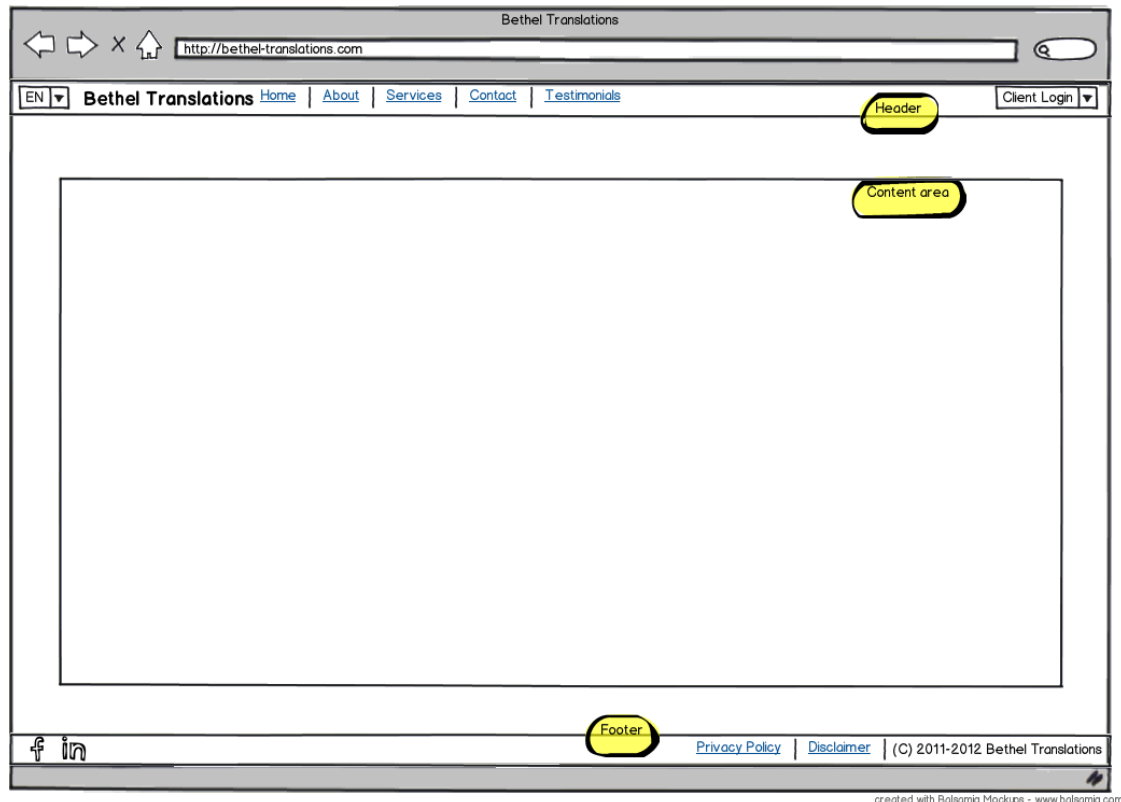


Figure 2.5: Main layout

The **header** and the **footer** sections will remain unchanged across all pages and the rest of the content goes in the **content area**. The rest of the sketches of the pages illustrated here will only show the content area.

The header contains:

- the name and/or logo of the website;
- main navigation menu

The menu is a collection of links to the main areas of the website:

- Home
- About
- Services
- Testimonials
- Contact
- Login - this link must stand out, since it is of a higher importance and the page linked is of a different nature than the rest, so it is separated from the others.

Footer:

- copyright notice, if needed
- links to legal documents (e.g.: Privacy policy, terms of use, etc)

- awards or certifications (translation services related, PayPal certification)
- contact information (actual information or just a link to the 'Contact page)
- link to the business facebook page

Main page

From our earlier decision of creating a simple three step process and implementing this on our homepage, we took our wireframe and refined it to come up with the **Main Template** (Figure 2.5).

Figure 2.6: The Main Template

The site-wide header (labelled 1) and footer (labelled 3) can clearly be seen to be simple and uncluttered.

About

This is the page the users would go to in order to find out more about the service. Contains a few paragraphs that detail goals and accomplishments. The page needs to answer some possible questions that the users might have regarding the business:

- who is behind it?

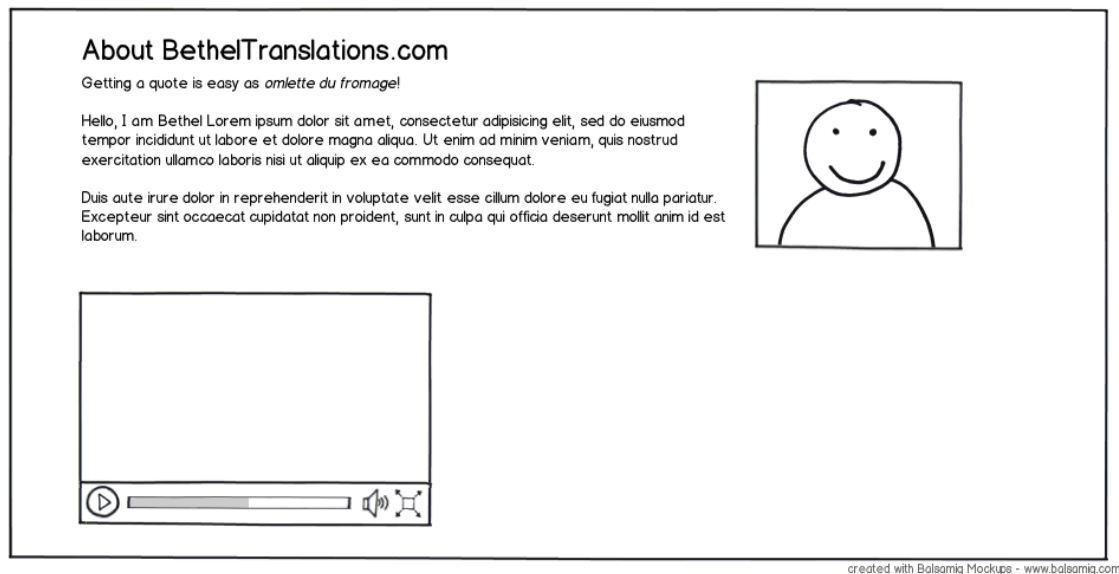


Figure 2.7: The About page

- what are they doing?
- when did they start doing it?
- where are they?
- how are they accomplishing what they claim to do?
- Providing an image, or even a short video, would make the website seem more trustworthy.

Testimonials

Having testimonials from happy clients also adds to the trust of the business. The business owner would ask her clients for feedback and permission to publish it on the website. Then she can pick which ones would suit her and post only a fragment on the website, along with some details of that client (name, company, occupation).

Contact

Having other contact methods (phone number, physical mailing address) also add to the credibility of the business. “A company with no address is not one you want to give money to.” [Jakob Nielsen]

1. work telephone number
2. physical address
3. social media pages
4. contact form (by e-mail)

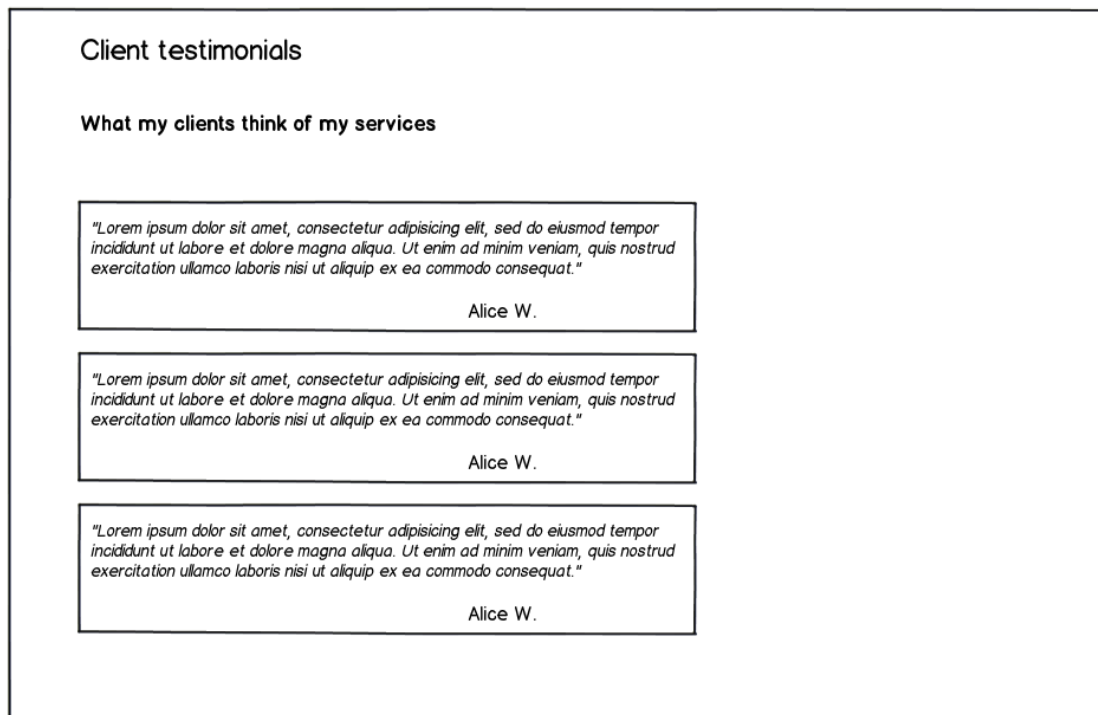


Figure 2.8: The Testimonials page

created with Balsamiq Mockups - www.balsamiq.com

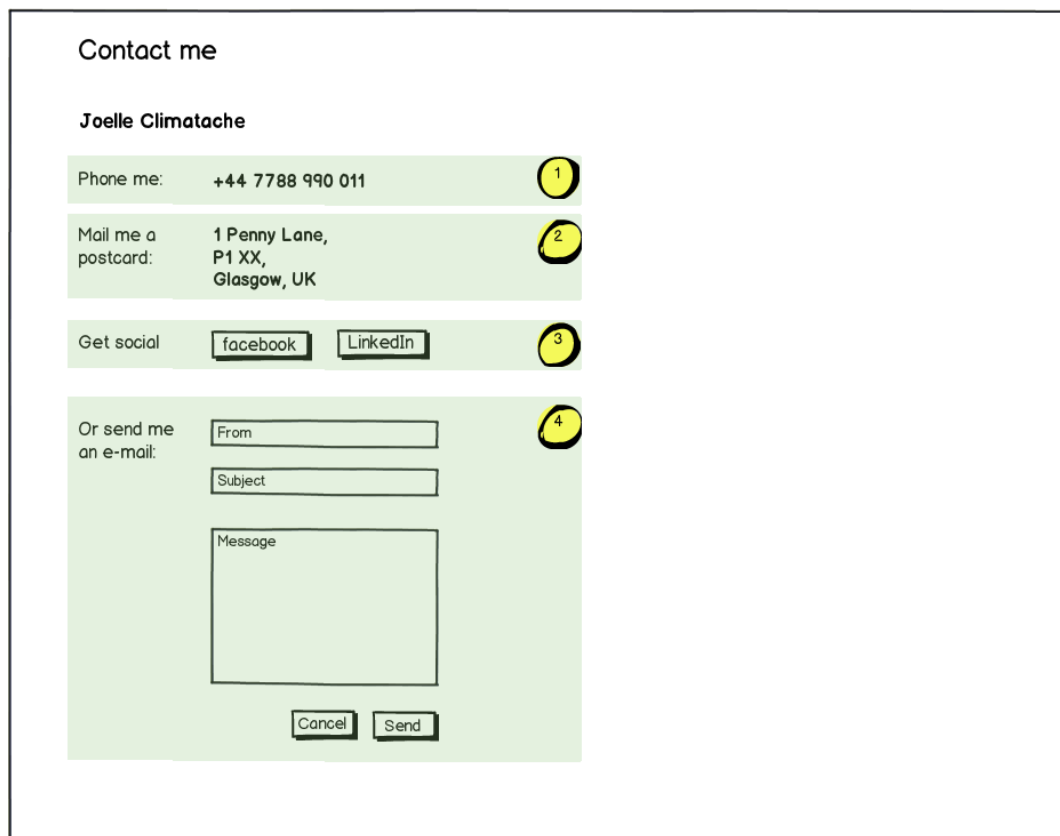


Figure 2.9: The Contact page

created with Balsamiq Mockups - www.balsamiq.com

Chapter 3

Implementation

In this chapter, we describe how we implemented the system from our design plan and the technologies used in doing so.

3.1 Development Environment

Programming for the project was split between several web-orientated languages. The central development language was PHP for developing the controllers and models. HTML5, JavaScript and jQuery were used in the views. As mentioned previously we employed the use of two frameworks, namely CodeIgniter and TankAuth. CodeIgniter provided the Model-View-Controller architecture PHP framework for the website, and TankAuth is an open source authentication library for CodeIgniter.

As we learned from the Distributed Information Management course we studied this year, web-development is ever-changing and to stay current developers must adapt to using new technology. As a result of this we have coded the views using the newest HTML5 standard. This will allow future developers to maintain the site with ease as adding new modern features will be simpler.

Another thing we learnt from our Distributed Information Management course is that it is desirable to separate out our concerns when developing in a web environment. This led us to using the open source Twitter Bootstrap <http://twitter.github.com/bootstrap/>. Twitter Bootstrap is simple and flexible HTML, CSS, and Javascript for popular user interface components and interactions. During implementation Twitter released an upgraded version, version 2.0, of Bootstrap and we upgraded to this version when it was released in early 2012.

For implementation purposes we set up an online SVN using Google Code. This version control system allowed us to keep track of changes, report and resolve issues, and maintain a wiki of useful pieces of information that we needed to keep and track.

Further to this we also set up a test server to allow us to view our site live on the web as we developed it and to test any changes as we made them.

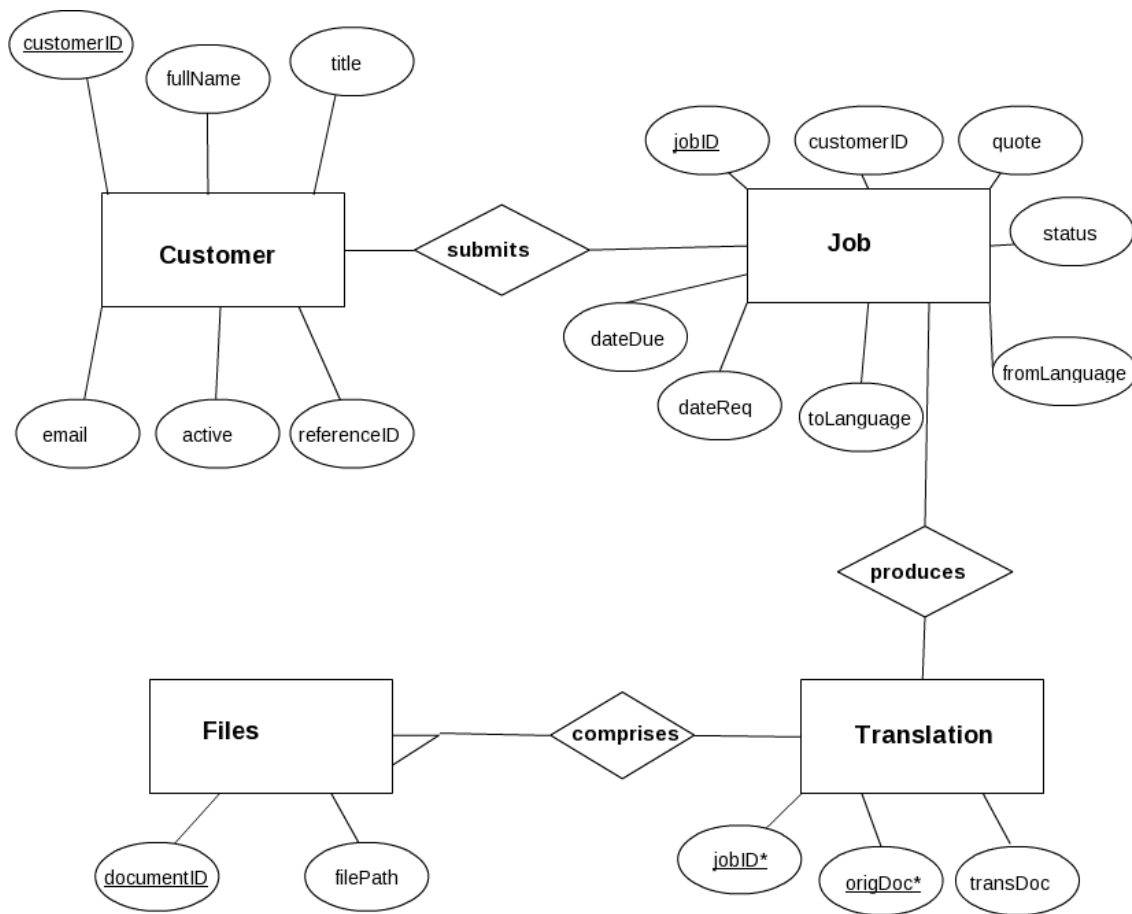


Figure 3.1: ER Diagram for Bethel Translations

3.2 User Interface

3.3 Database Model

Our database structure was designed after we had thoroughly revised our user registration and job transition processes. We envisaged there being four separate entities: one for **users** to become registered, one to represent **documents** being submitted, another for the **jobs** that are comprised of submitted documents and finally one for the documents once they have been **translated**. The attributes of each of these entities and the relationships between them is illustrated in **Figure 3.1**

The majority of activity for these tables occurs in the first three entities, as they are all populated in some way during the 3 stage process discussed earlier.

3.4 Database Schema

TBC

Chapter 4

Evaluation

First feedback with Karen incl wireframes etc - Jan 25

Second feedback session with Karen incl more complete website design - Feb 9th

Chapter 5

Conclusion

Team photo goes here? :) A great project! etc..

5.1 Contributions

Alasdair done this... Andrei handled that... Stephen took responsibility for... Paul mainly done... Wei was responsible for...

Appendix A

Glossary of Terms

- **Free-lance** - Working for different companies at different times rather than being permanently employed by one company.
- **Client** - A person or organization using the services of a professional person or company.
- **Users** - A set of people who use or operate something, esp. a computer or other machine.
- **Requirement gathering** - Determining the needs of a client through any form of communication.
- **Software project** - Using the surrounding context, a software project aims to create application(s) using programming language(s) by adhering to project management principles.
- **Programming language** - A programming language is an artificial language designed to express computations that can be performed by a computer.
- **Web scripting language (*PHP, Javascript*)** - A scripting language is a programming language that allows control of one or more applications.
- **Website development** - The process of constructing and maintaining a website.
- **LAMP** - LAMP, (Linux, Apache, MySQL and PHP), is an acronym for a solution stack of free, open source software
- **Web application framework** - A software framework that is designed to support the development of dynamic websites
- **Open source** - Computer software for which the code is freely available

Appendix B

Evaluation Documents

B.1 Introduction and Consent

Bethel Translations Evaluation Consent Form

This evaluation will take about 20 minutes to complete. You may ask as many questions as you like before the evaluation starts. The tasks you have to carry out will be provided to you on another sheet. You are asked to circle YES if you successfully complete a task or NO if the opposite.

When uploading files please do not upload private or assessed documents lecture PDFs are an example of a good document to upload. All documents will be deleted after the evaluation and will not be opened or parsed.

When you have completed all tasks please tell the person in charge of the evaluation and they will direct you to the online questionnaire that has to be filled out to complete the evaluation. All results will be held in strict confidence, ensuring the privacy of all participants. No personal participant information will be stored with the data. Online data will be stored in a password protected computer account; paper data will be kept anonymous. Your participation in this experiment will have no effect on your marks for any subject at this, or any other university.

Please note that it is the website, not you, that is being evaluated. You may withdraw from the experiment at any time without prejudice, and any data already recorded will be discarded.

If you have any further questions regarding this experiment, please contact:

Team O: teamo@stbernadettes.co.uk

or

Karen Renaud (Team Supervisor): Karen.Renaud@glasgow.ac.uk

I have read this information sheet, and agree to voluntarily take part in this experiment:

Name: _____

Email: _____

Signature: _____

Date: _____ Age: _____

B.2 Task Sheet

Task Sheet: Client

Please navigate to www.betheltranslations.com then complete the tasks below.

Task 0: Navigate to all the pages of the site and write down the first thoughts you have about the site. Please write on the other side of this page.

Task 1: Please fill out the form on the home page and upload a doc. Please choose English to French translation.

Successful? YES NO

Task 2: Log in to your dashboard.

Successful? YES NO

Task 3: Check the status of your document and submit one more (French to Italian) Then accept one quote,

Successful? YES NO

Task 4: Download your translations

Successful? YES NO

Task 5: Contact Joelle to negotiate the price

Successful? YES NO

Task 6: Logout and visit the facebook page to leave some positive feedback.

Successful? YES NO