Team Charter – Typed HTML5 Evaluating Machine (T.H.E.M.)

Team Members

Carl Hattenfels – Back-end Coding
Phone: 0434 897 493
Email: carl.hattenfels@uq.net.au

Brendan Miller – Web Coding and Database
Phone: 0432 990 875
Email: brendan.miller@uqconnect.edu.au

Scott Heiner – Project Management
Phone: 0407 829 802
Email: scott.heiner@uqconnect.edu.au

David Uebergang – User Interface and Design
Phone: 0435 547 125
Email: david.uebergang@uqconnect.edu.au

Robert Meyer – Coding
Phone: 0498 658 875
Email: robert.meyer@uqconnect.edu.au

Shen Yong Lau – Testing and Documentation
Phone: 0424 156 053
Email: shen.lau@uqconnect.edu.au

Project Client

Lorna Macdonald
Email: lorna@itee.uq.edu.au

Project Description

The end result of this project should be a web-based learning tool, allowing students to validate not just single webpages, but whole interconnected websites. It should allow them to upload HTML files, and have them parsed for common coding errors. This should be provided via clear feedback, and specific suggestions to help users fix these errors. This tool should also allow for multiple HTML files to be uploaded and evaluated at once, as well as full websites that have been zipped and uploaded. The tool should check the file structure of these full websites.

Scope Statement

The final deliverable of the project will involve a working web-based application written using php, mySQL and involving text parsing via Python. It should have a landing page, which links users to a help section that explains how to use the tool. A section should also be available where users can upload their code. The users should have the option to upload via directly copying their HTML code into the browser, uploading one or many HTML files or uploading a full website ZIP. There should be a page which provide metrics on the error status of multiple HTML files, a page which visually shows the user their file structure and the connections between elements, and a page which highlight which sections of code specifically have been coded incorrectly. Future extensions, time permitting, would probably go to enhancing the user experience and expanding the errors the application checks.

Roles and Responsibilities

Each team member has a specific role, stated at the beginning of this document next to their name. These roles, however, are not rigid, and are expected to form more of a specialisation rather than their sole purpose in the group. Back-end Coding involves coding the text parsing section of the application, which should detect certain errors from a prescribed list. Web

Coding and Database handles the database back-end of the website, ensuring that the webpages work and flow between each other well. The Coding attribute is a combination of the Back-end Coding and Web Coding roles. User Interface and Design focus on making the end result look appealing and easy to navigate and understand. Testing helps guide the testing process, in both functional and user-based testing. Documentation works on well-prepared documents outlining the product and its development to be conveyed to major stakeholders.

Additional Resources

A server for hosting this website would be required, though the group already has access to one to use whilst developing this software.

Team Communication

This group meets: - Monday, 3pm – 6pm: Group Prac Meeting
                      - Wednesday, 9am – 10am: Group Meeting
                      - Thursday, 11am – 12pm: Reserved for Possible Client Meetings
Members arriving late to meetings, or failing to turn up at all, must provide the group with sufficient notice detailing why the delay or failure to turn up occurred, as soon as they are able. This can be completed via the Facebook group or, more urgently, mobile contact. Consistent failure to attend meetings will result in a group discussion addressing what action should be taken to curve this behaviour. If the results of the discussion do not lead to towards the presence of all group members at meetings, action will be taken. This action would involve informing the course co-ordinator of the problem.

Decision Making and Conflict Resolution

The members of this team agree to follow democratic voting procedures for making team decisions and resolving conflicts. In the case of a tied vote, the project manager will have the final say. Resolving conflicts between two or more parties will usually begin with attempts at reparation within the next available time for those involved, be that inside or outside of meeting times. Failure to resolve the conflict within this space will force the group to involve the course leaders and co-ordinators and may result in the user being removed from the group. Under performing team members will be dealt with in a similar way to failure to communicate above. Any extra work that will need to be completed will be shared amongst the remaining team members, if possible, else the project scope will be scaled back to cater for this change in team members.

Signatories

_____   _____   _____
Lorna Macdonald   Carl Hattenfels   Scott Heiner

_____   _____   _____
Robert Meyer   Brendan Miller   David Uerbergang

_____
Shen Yong Lau

Key Dates

Week 1 22/07 – 28/07	Week 2 29/07 – 04/08	Week 3 05/08 – 11/08	Week 4 12/08 – 18/08	Week 5 19/08 – 25/08	Week 6 26/08 – 01/09	Week 7 02/09 – 08/09	Week 8 09/09 – 15/09	Week 9 16/09 – 22/09	Week 10 23/09 – 29/09	Mid Sem Break 30/09 – 6/10	Week 11 7/10 – 13/10	Week 12 14/10 – 20/10	Week 13 21/10 – 27/10	SWOTVAC 28/10 – 03/11	Exam Block 04/11 – 10/11
			Ekka Holiday								Labour Day Holiday				
Initial Team Formation															
Project Scoping and Consultation															
	Website Construction and Development														
	User Interface Design and Implementation														
			User Testing		User Testing		User Testing		User Testing		User Testing		User Testing		
		Functional Testing via Example HTML Files													
	Back-end Python Text Parsing														
									Back-end File Structure Analysis						
	Documentation														
	Team Charter (02/08)	Sprint Zero (07/08)			Tech Spike (26/08 – 30/08)		UX Profile / Testing and Validation Plan (17/09)					Final Product Demonstration (25/10)			Project Report (04/11)