

# COMP3550 – Internet Technologies II

## Assignment 1

### Introduction

The development of skills in Computing are to be used not simply for self-education, but there exist a certain responsibility of UWI students to have a substantial impact in the development of their respective communities, countries and the region.

The world is filled with many interesting problems that the application of Computer Science can create solutions that have the potential to be scalable and cost efficient for millions especially the most vulnerable populations of the world.

To get students to begin to think about these dimensions of intervention and use of their skills in Computer Science, the assignments and Project will have a slant of application within these domains.

### Description

The United Nations Development Programme (UNDP) is an organ of the UN set up specifically to address issues pertaining to sustainable development. Sustainable development in simple terms refer to the holistic development of communities and humanity in a way that ensures the availability of resources for the continued development of future generations.

Using the Human Development Reports (2012 and 2006) as sources of inspirations students are required to create a relatively simple website that addresses only one issue identified in the reports. With the need to build website that presents its information in a suitable format for the many resolutions that exist due to the variation of devices used to view content on the web. This process by itself is a

complex problem to solve, however thankfully there are tools that help to make this process simpler. Examples of these development tools include:

1. The Bootstrap CSS Framework
2. Modernizr Framework

## Website Specifications

Students are expected to create a website to address an identified issue from the HDR reports. This website must contain the following:

1. Consist of at least 5 pages
2. Utilize at least one characteristics of the Web 2.0 Model
3. Utilize some form for receiving information from the user
4. General contact information such as email, telephone number, etc.
5. A homepage which will have information which is expected to be of interest to the user and motivate the user to explore the website further.

## Required Documentation

The assignment submission will consist of both the code for the website and documentation

The documentation will include the following:

1. Taxonomy or Hierarchical of information
2. Sitemap
3. Low fidelity prototype for the layout of the proposed website. The prototype should show how the site will look for desktop and mobile screens. [\[link for inspiration\]](#)
4. WOW Factor (What functionality implemented that went beyond scope of knowledge that was useful for the purpose of the site)

## 5. Bonus Mark Justification

### Mark Scheme

#### HTML: 20 Marks

DIV	TABLE	FORM	IMAGES
PARAGRPHS	ANCHORS	NAV	FOOTER
HEADER	INPUT (EMAIL)	INPUT (PASSWORD)	INPUT (CHECKBOX)
TEXT AREA	LIST (UL/OL)	SCRIPT	LINK

#### CSS: 20 Marks

ID & CLASS SELECTORS	P	LI	PADDING
POSITION	BORDER	FONT/FONT FAMILY	LINE HEIGHT
TEXT ALIGN	MARGIN	MEDIA QUERY	TRANSITIONS

#### JavaScript: 20 Marks

INPUT VALIDATION	FUNCTIONS	AJAX	CALLBACKS

#### BONUS: 10 Marks

Submission on GITHUB	2
Evidence of multiple commits	2
Evidence of collaboration	2
Evidence of branching and merging	2
Evidence of using Yeoman	2

(Include all relevant justification within the documentation. Note that GIT logs will be used to validate information submitted in reports.

CATEGORY	MARK
HTML	20
CSS	20
JAVASCRIPT	20
DOCUMENTATION	10
ADVANCE FEATURE (WOW FACTOR)	5
HTML5 VALIDATION	5
CSS3 VALIDATION	5
JS LINT VALIDATION	5
PRESENTATION	10
BONUS	-
TOTAL	100