Compsci 345: Human-Computer Interaction
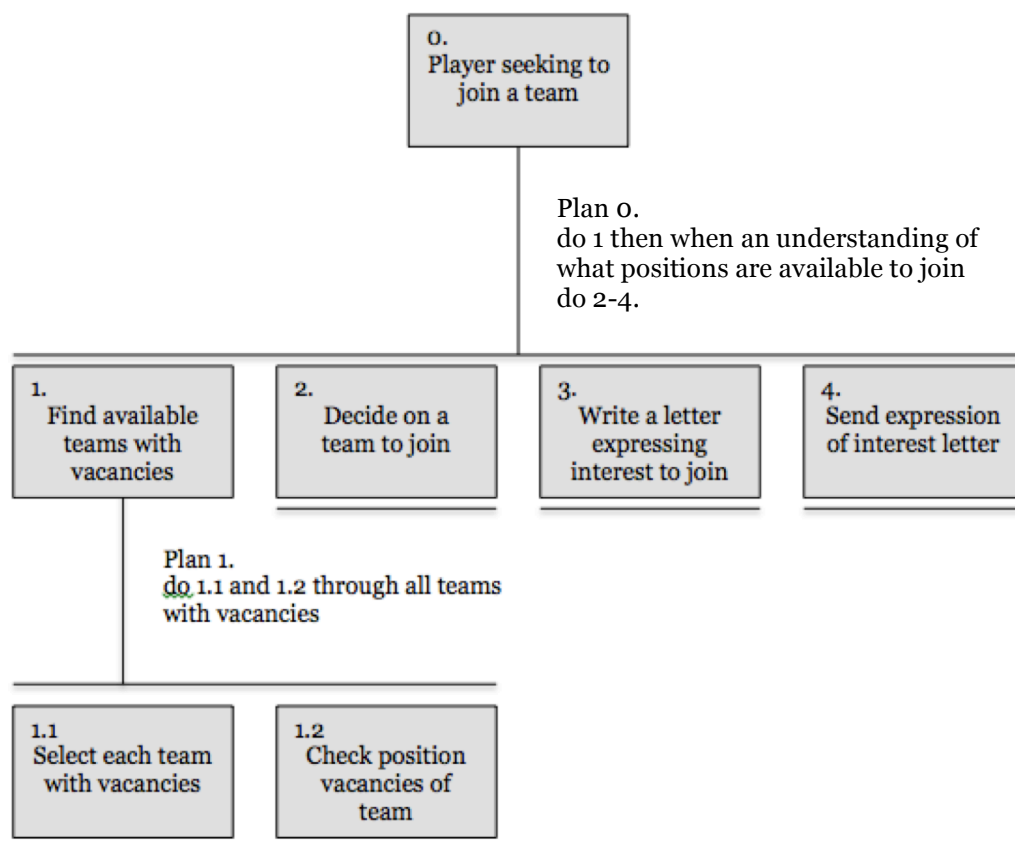
Assignment 3: Realizing a Design

UPI: whsu014
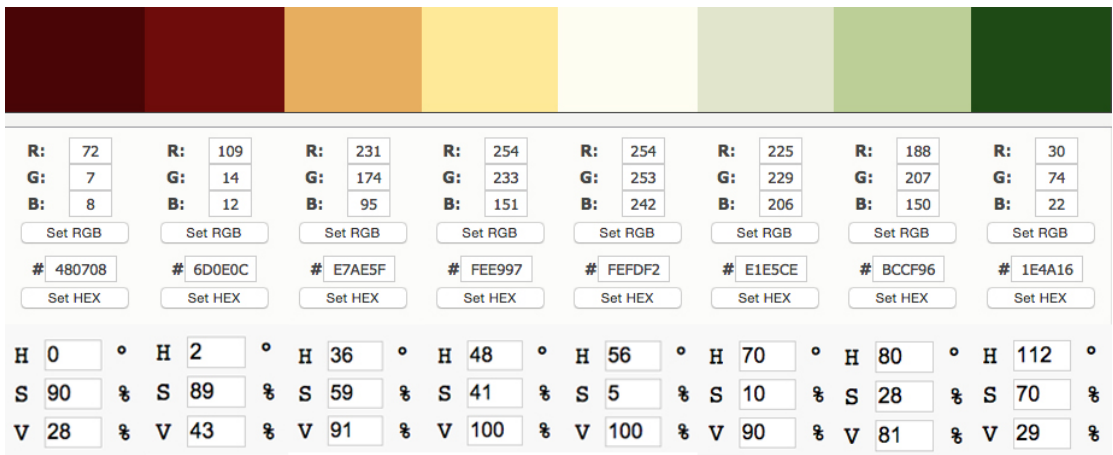24/5/2015

Documentation

Hierarchical Task Analysis (HTA)

Colour scheme

The colour scheme comprises of three colours; red, green and yellow-orange. These colours are derived from the header image. Red and green are the dominant colours used, making this a complimentary scheme. The two colours provide a sense of vibrancy to the interface. A prominent role played by a colour is the high saturation, low-key and low intensity red used for the horizontal menu bar whose contrast to surrounding green sections effectively divides the screen. Another role played by a colour is the high-key and low saturation green used as the background for most of the dark green textual information. (98 words)

R: 72	R: 109	R: 231	R: 254	R: 254	R: 225	R: 188	R: 30
G: 7	G: 14	G: 174	G: 233	G: 253	G: 229	G: 207	G: 74
B: 8	B: 12	B: 95	B: 151	B: 242	B: 206	B: 150	B: 22
Set RGB	Set RGB	Set RGB	Set RGB	Set RGB	Set RGB	Set RGB	Set RGB
# 480708	# 6D0E0C	# E7AE5F	# FEE997	# FEFDF2	# E1E5CE	# BCCF96	# 1E4A16
Set HEX	Set HEX	Set HEX	Set HEX	Set HEX	Set HEX	Set HEX	Set HEX
H 0 °	H 2 °	H 36 °	H 48 °	H 56 °	H 70 °	H 80 °	H 112 °
S 90 %	S 89 %	S 59 %	S 41 %	S 5 %	S 10 %	S 28 %	S 70 %
V 28 %	V 43 %	V 91 %	V 100 %	V 100 %	V 90 %	V 81 %	V 29 %

Lines, borders and background scheme

Alternating value and saturation of green is used as background colours to group related information. Specific elements include teams matching the user's profile and individual team description sections. The horizontal menu bar provides a border between the functional and the non-functional part of the interface. The header image was chosen as the lighting on the grass provides a strong association to summer and the casualness of the object connotes the idea of recreation. The diagonal /curved line contained in the image eludes to the direction of eye moment as one navigates the interface from top left to bottom right. (99 words)

Font Scheme

Two fonts are used for this interface, they are Rockwell for the logo and Verdana in various sizes for the rest of the website.

Rockwell is a serif display typeface (rather than for lengthy text). A defining characteristic of Rockwell is the Q letter having a tail entirely outside its bowl. Making SQRL a distinctive logo. It has been commented that the typeface evokes straightforward honesty and strength, an appropriate association for a sporting event.

Verdana is a sans-serif typeface design for the computer screen. The font itself is easy to read at a small size. Research has found it to be the preferred font choice as well as among the most legible fonts for online use. The etymology of the name points to the old French noun

'vert' (something green) which I thought is a fitting font to use for an interface that has green as its dominant color.

Assumptions and limitations

The prototype is designed to be viewed when the width of the browser is at 1500px. This is the maximum width of the header image before the background colour begins to appear on the side. Viewed at this width the animation will illustrate the intended interaction.

It is assumed that the user has prior knowledge about the teams i.e. the teams' performance from previous seasons or which teams are new teams in the league to help inform his/her decision making.

Resources used

Drop down menu
http://inspirationalpixels.com/tutorials/creating-a-dropdown-menu-with-html-css

Side navigation bar
http://codepen.io/rexkirby/pen/BgGkq

Background image technique
https://css-tricks.com/perfect-full-page-background-image/

Quidditch teams
http://harrypotter.wikia.com/wiki/List_of_Quidditch_teams

Background image
http://torontoist.com/2011/10/sporting-goods-muggle-quidditch/

Quidditch team logos
http://kingonair.deviantart.com/art/Quidditch-Logos-2-EU-Boogaloo-358115206
http://kingonair.deviantart.com/art/Quidditch-Logos-3-The-game-down-under-370481957
http://harrypotter.wikia.com/wiki/Chudley_Cannons
http://harrypotter.wikia.com/wiki/Montrose_Magpies
http://bloghogwarts.com/2011/08/25/los-escudos-de-los-equipos-britanicos-de-quidditch-disenados-por-pako-speedy/holyhead-harpies/

Golden Snitch image for logo
http://fc06.deviantart.net/fs70/i/2013/263/8/1/the_golden_snitch_by_bandsaw013-d6n1aib.jpg

Typeface
http://en.wikipedia.org/wiki/Font_family_%28HTML%29
http://en.wikipedia.org/wiki/Tahoma_%28typeface%29
http://en.wikipedia.org/wiki/Helvetica
http://en.wikipedia.org/wiki/Verdana
http://en.wikipedia.org/wiki/Rockwell_%28typeface%29

https://brianbaik86.wordpress.com/2011/06/28/typography-research-presentation-writing-rockwell/

Button generator
http://www.bestcssbuttongenerator.com/#/5

Images for revised home page
Snitch
http://thelazercast.com/2013/09/28/pelicula-de-quidditch-a-traves-de-los-tiempos/
pitch
http://modthesims.info/d/363549
team1
http://www.blastr.com/sites/blastr/files/styles/blog_post_media/public/images/Quidditch
TeamHarvard.jpeg?itok=4ni33oJQ
team2
http://goodcityzen.com/photos_Quidditch.php