ITA: Snow Sports

Mike and Steve are sports enthusiasts and they particularly like snow sports. They are a source of information for their friends and family. They advise on equipment to buy, places to go, and training options to improve skills. They get bombarded with email from friends of friends about snow sports. They have finally decided to have a website devoted to snow sports. They also want the site to host a forum where people can post questions which they and others can answer.

Your assignment is to create a prototype website about snow sports. It will feature only 2 such sports, so the choice is yours. It will allow people to post questions about equipment, travel and safety in snow sports.

Mike and Steve have provided you with some images and text.

**Scope** The website and its forum will make the processes of answering questions and providing information more efficient for the pair. Essentially they will save time in answering individual emails, reduce cost by allowing them more time to work instead of responding to emails and reduce effort since much effort is duplicated due to the similarity of questions. Because the online community will also post information and answers to questions, the pair will become more effective. The quality of their information will improve.

**Requirements**

|  |  |
| --- | --- |
| FR01 | A banner is required and the same banner is used on all pages |
| FR02 | Navigation is horizontal |
| FR03 | Structure: home page, forum page, snowsport 1 page and snowsport 2 page |
| FR04 | The home page must explain the purpose of the website |
| FR05 | The home page must have an article on the left and two images on the right. |
| FR06 | The snowsport pages must have a minimum of two images. |
| FR07 | The snowsport pages must have information about the given sport |
| FR08 | The snowsport pages must have a sidebar to provide interesting factoids about the sport |
| FR09 | CSS style sheet must be linked to the webpages |
| FR10 | The website must have the same banner on each page and the banner must reflect the content and focus of the website. |

|  |  |
| --- | --- |
| NFR01 | Relevance: Each page relates to the theme of snow sports |
| NFR02 | Accessibility: ALT tags for each image required |
| NFR03 | Contrast: The colour palette must include vibrant colours in blues (mainly) in order to contrast against the white of snow and ice. |
| NFR04 | Consistency: Each page is structured similarly with banner, footer and navigation |
| NFR05 | The two snowsport pages must have the same structure. |

**Constraints**

* The forum is open to all.
* Copyright must be shown in the footer.
* An actual forum does not need to be shown but a menu item to its page must be.
* The work must be completed on time.

**Design**

Layout for the webpage (consistency)

|  |
| --- |
|  |

Storyboard for snowsports pages

|  |
| --- |
|  |

**Sample text for home page**

<p>Snow sports are the most exciting sports! They include ice skating, skiing, snowboarding, luge and sledding.</p>

<p>Freeskiing, for example, has seen continual growth since its inception in the late 1990s. An entire industry has been created with this rapid popularization. As a result of this growth, there is currently a growing number of professional freeskiers. Most are highly competitive skiers, usually specializing in a certain freeskiing discipline. There are however professional skiers who do not compete, and rather produce and star in videos.</p>

<p>Freeskiing or Newschool skiing involves tricks, jumps, and terrain park features, such as rails, boxes, jibs, or other obstacles. This form of skiing resulted from a combination of the growth in popularity of snowboarding as well as the progression of Freestyle skiing.</p>

**Sample text for snowboarding**

Alpine - Parallel Giant Slalom

<p>The most notable change in 2002 was that the Giant Slalom discipline contested in 1998 had been changed to a dual event - the Parallel Giant Slalom. PGS features head-to-head competition. All competitors race the clock in the qualification round and the fastest 16 racers advance to the elimination round. These 16 competitors battle it out on two, side-by-side courses. After run one, the riders switch courses and in run two, the gate of the person that won the first race opens first, equivalent to the amount of time they led by. This ensures that the second run of each round really is a ‘first past the post’ race. The winner after the second race advances to repeat the process while the other heads to the stands to watch the outcome. </p>

Alpine - Parallel Slalom

<p>Similar to Parallel Giant Slalom but actual speeds are slightly less. The gates are more plentiful and closer together, causing the riders to have to be quicker from edge to edge.</p>

Snowboardcross

<p>The newest Olympic discipline sees competitors race through a course that features banked turns, terrain changes and jumps. This discipline truly tests a rider’s all-around skills – and nerve. Each rider races the course solo at first, and the fastest times determine the start order for the knock-out rounds. The elimination rounds then see FOUR riders in the start gate at the same time and racing together on the same course, with the fastest two advancing on to each next round. A four-rider final determines the medal positions.</p>

Freestyle - Halfpipe

<p>The Halfpipe competition is a judged event. Judges each give the rider’s completed run an overall impression score. The runs are evaluated using several criteria including the sequence of tricks the rider performs, the amount of risk in the run and how the rider uses the pipe. The scores are compared, with a Head Judge overseeing the process. After qualifying for the finals, the slate is wiped clean and qualified competitors take two more runs. The higher of the two final run scores are used to rank the riders and determine a winner.</p>

Sample text for the sidebar

The size of the Halfpipe and the expertise of the riders in it have grown proportionately. Within eight years, wall heights have practically doubled, increasing to 22 feet. The pitch (steepness) has mellowed to 16.5 degrees from 18 and the transitions between the vertical part of the walls and the flat in the middle have become smoother and bigger. The changes have provided a safer venue for the riders, while at the same time, supporting the development of the sport.

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Snowboarding.html

<!Doctype html>

<html lang="en">

<head>

<meta charset="utf-8" >

<title> Add title</title>

<link rel="stylesheet" type ="text/css" href= "snow.css" >

</head>

<body>

<div id="banner">

<img src=" " ALT =" ">

</div>

<header >

Snow sports

</header>

<nav >

<ul>

<li><a href="home.html"> HOME </a></li>

<li> <a href="#"> Luge</a> </li>

<li> <a href="#"> Snowboarding</a> </li>

<li> <a href="#"> Forum </a> </li>

</ul>

</nav>

<section >

<article>

<header>

All about snowboarding

</header>

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</p>

</article>

<article>

<header>

snowboarding

</header>

<img src=" " ALT =" ">

<img src=" " ALT =" ">

</article>

</section>

<aside>

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</aside>

<footer >

<p>&copy;Copyright VK3CFI 2014 </p>

</footer>

</body>

</html>

home.html

<!Doctype html>

<html lang="en">

<head>

<meta charset="utf-8" >

<title> Add title</title>

<link rel="stylesheet" type ="text/css" href= "snow.css" >

</head>

<body>

<div id="banner">

<img src=" " ALT =" ">

</div>

<header >

Snow Sports

</header>

<nav >

<ul>

<li><a href="home.html"> HOME </a></li>

<li> <a href="#"> Luge</a> </li>

<li> <a href="snowboarding.html"> Snowboarding </a> </li>

<li> <a href="#"> Forum </a> </li>

</ul>

</nav>

<section >

<article>

<header>

Snow sports are exciting!

</header>

<p>Snow sports are the most exciting sports! They include ice skating, skiing, snowboarding, luge and sledding.</p>

<p>Freeskiing, for example, has seen continual growth since its inception in the late 1990s. An entire industry has been created with this rapid popularization. As a result of this growth, there is currently a growing number of professional freeskiers. Most are highly competitive skiers, usually specializing in a certain freeskiing discipline. There are however professional skiers who do not compete, and rather produce and star in videos.</p>

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</article>

<article>

<header>

Here are two examples of ski events. The first is moguls where skiers need to navigate and keep their balance while skiing over small mounds of ice and snow. The second is ice skating.

</header>

<img src="moguls.jpg" ALT = "">

<img src="ice-skating sm.jpg" ALT = "">

</article>

</section>

<footer >

<p>&copy;Copyright VK3CFI 2014 </p>

</footer>

</body>

</html>

snow.css

/\*

colour palette

#1240AB medium blue

#2A4480 blue grey

#06266F dark blue

#4671D5 blue

#6C8CD5 light blue

#cecece grey

\*/

/\* browser problems-- set the margin and padding to 0 \*/

html

{

}

/\* ensure all browsers handle these OK - make them block display \*/

header, section, footer, aside, article, nav

{

}

/\*

set the width of the body to 90%

add background color, font-family and font-size of 14pt \*/

body

{

}

/\* display the banner id as block and add margins 10px 50px 10px 50px\*/

#banner

{

}

header

{

/\* make the header font color grey and

the font-size 1.8em

and use text-align to centre it\*/

}

/\* float the section left and give it a width of 60% \*/

section

{

}

/\* make the article header font-size 1.3em so it stands out from the body text

align the text to the left

add padding \*/

article header

{

}

/\*

make the nav background color dark blue

add left padding about 80px so text doesn't hug the left side

add left margin of about 80px

make the width 90%

\*/

nav

{

}

/\* remove bullets in the unordered list with list-style

the margin and padding are already at zero to remove the indent

\*/

nav ul

{

margin:0;

padding:0;

}

/\* make the list items display as inline-block

add right-margin of 6em to separate list items \*/

nav ul li

{

}

/\* make the anchor within the nav tag display as block and remove the underline

with text-decoration

make the text color grey

add top padding and bottom padding\*/

nav a

{

}

/\* with the nav links, make the background and color of the a:link and the a:visited the same

make the a:hover look different

\*/

nav a:link:

{

background:

color:

}

nav a:visited:

{

background:

color:

}

nav a:hover:

{

background:

color:

}

/\* in the aside tag, change the font-family to arial and font-size to 0.9em

change background color to #06266F and font color to grey

float the aside to the left and give it a relative position

and width of 30%

add padding 30px 10px 10px 10px

add a top margin of 30px

\*/

aside

{

}

/\* add left padding to the article images about 100px and a bottom margin about 20px and a left margin about 10px\*/

article img

{

}

/\* to make the footer appear at the bottom, clear:both; has been added to the first line

add a background color for the footer

add padding top and bottom

and a top margin about 5px;

make the text smaller - about 0.6em;

\*/

footer

{

clear: both;

}

View the designs for the pages. Add the css code and run your pages to test them after each entry. Find more images for the second snow sport. You do not have to have luge as your choice for the second snow sport.