

**Sample Test Project**

**District / Zonal Skill Competitions**

**Skill- Web Design and Development**

**Category: Information and Communication Technology**

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***A. Preface***

**Skill Explained:**

Web Design/Development encompasses many different skills and disciplines in the production and maintenance of websites.

Having completed the website planning and design, the Web Designer then integrates the website with third party tools and platforms. During the development process Web Designers implement the design, use their programming skills in order to create dynamic functionalities, test, and debug the website using a variety of devices.

A Web Designer has many employment opportunities. This can range from being a self- employed freelancer, or an entrepreneur, to being employed by advertising agencies and web development companies as well as many different other types of organizations.

Web Design involves implementing specific solutions that follow the business rules and objectives outlined by the client. Strong design and communication skills, coupled with research techniques and a grasp of target audiences, are essential to be a good Web Designer.

***Competition Modules Overview***

• Module focuses on the Website layout and design

• Create graphics for web

• Use graphics for web

• Create design using provided brief and specification

• Use principal and Techniques for web sites layouts

• Use the current development trends

• Identify the target market and create a concept for the design

• Create design using provided brief and specification

• Use principal and Techniques for web sites layouts

• Use the current development trends

• Develop aesthetically pleasing and creative design.

***Client Side and web development***

• Integration of the JavaScript’s

• Develop animation to assist in context explanations and visual appeal

• Enhance functionality

• Utilisation of colours, typography and compositions.

• Create code that conforms and validates to the W3C standards

• Use of JavaScript/JQuery to enhance web site functionalities

• Use of CSS3 pre/post process

• Tools used are Adobe creative cloud.

• Working for limitation of Internet enabled devices and Screen resolution

• Application should have the cross-browser compatibility

• Website should assist with search engine performance

***Server-Side Module***

• Manipulate data using PHP programming skills

• Utilize open source Library and framework

• Use Data modelling techniques to design and implement database with MySQL

• Use of Web Services

• Use the approach of control structured (OOPs)

• Create Secure Application

• Manage data exchange between server and client systems

**Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):**

Competitors born on or after 01 Jan 1997 are only eligible to attend the Competition.

**Total Duration: 4 Hrs**

• Module A : 2 Hrs

• Module B : 2 Hrs

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**B. Test Project**

**Introduction:**

The Test Project you will be doing is modular and is comprised of 2 modules. Each new module focusing on distinct aspects of the Web Design and Development skill. The modules could be independent or interrelated to the other modules.

**General Instructions to the competitor**

You will be competing for 2 new modules presented to you in a day. When you have finished the current module, you can proceed to the requirements for the next module.

Save the final website into your marking folder labeled:

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Module to be Saved** | **Duration** |
| Web Site Layout | day1\_mod\_a\_xx | 2 hrs. |
| Responsive Web Site Development | day1\_mod\_b\_xx | 2 hrs. |

Where ‘xx’ is FirstName+LastName.

Within each daily folder, save all your created, edited or used source files such as psd/ai files, fla files…etc. in a folder called “source\_files\_xx”, where ‘xx’ is your unique code.

**Duration: 2hrs. Project Introduction:**

**Module “A”: Web Site Layout**

Your task is to design a new website layout for the provided brand. You have been supplied with the brand elements and recently created artwork along with other imagery which can be used to aid your design.

The new layout should be developed to work on the defined devices and resolutions:

• Computer (1366 x 768h)

• Phone (320w x 480h)

**Background:**

AD Travers’ group want to attract more and more tourist from different part of countries. Want to offer unique experience to tourist. Tourism has become an important sector that has an impact on development of country economy. The main benefits of tourism are income creation and generation of jobs.

Tourism benefit from transportation services, such as airlines, cruise ships, and taxicabs; hospitality services, such as accommodations, including hotels and resorts; and cultural and entertainment venues.

This is the 25th years of ‘AD Travel and they want attract customer by offering discounting packages.

The company is hoping that dynamic and responsive website will increase their demographic to people who are looking for budgeted and valuable tour. Touring packages is the main revenue source of the ‘AD Travels’

**Site Contents:**

‘AD Travers’ should have following content.

• Header

o Social Media 4 logos, todays temperature, search, From country/state

• Search

o Text Inputs and Search Button

• Sections

o Travel

 Flight

 Cruise

 Car

 Taxi

 Buses

o See and Do

 Cultural Attraction

 Activities

 Shopping

 Stay

• Touring Packages has two category standards and Deluxe

o 9 Days 8 Nights o 7 Days 6 Nights o 4 Days 3 Night

Each package show places to visit, per person cost, commence dates

• Footer

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o Toll Free Number

o Site Map

o Terms and Conditions

**End Result:**

Your task is to create a design (Mock-Up) of a website (not code it). Submitted work for this project should consist of the following:

• The site Mock-Up design should be presented in real pixels size. Each image should contain less than 4px wide clearly visible red border with the relevant screen resolution to indicate the page fold in each screen.

• Written information that explains the target audience.

• The design should have area for animation.

• This should show your design for the minimum home page.

• Whitespace, balanced text, video and images should all be considered.

• You design should have logo included.

• The identity you design should represent the subject of the website.

• You should provide the colour chart information and Font information used in each page.

Must submit the all raw file in folder specified to you.

• You can add dummy text where necessary.

**Save your files in C:**

Drive in directory and name it day1\_mod\_a\_xx (where X FirstName+LastName of competitor). Additional images may be created to highlight hidden elements, animations or any additional information that will aid in the development of the website.

**Duration: 2 hrs.**

**Module “B”: Responsive Web Site Development**

**Introduction**

This module is the extension of Module A. Where your will be implementing the Mockup designed in Module A. The ‘AD Travers’ has approached you to develop web layout that you have developed in Module A.

Your job is to write HTML5, JavaScript and CSS styles to provide the client with an attractive and customer engagement development.

Description of project and tasks

There are several pages that you need to layout. The development should invite the customer to explore all the pages and buy the package.

The following describes the pages.

There are several pages that you need to develop:

• Index.html as design in Mock-ups

• contact.html

This page contains forms and discussions Link.

***Animation design***

The client wants you to create the following highly attractive animation effects:

• Hovering effects

• Animated alert label

• Tab toggling

***Mobile screen resolution***

The client primarily wants the design to work perfectly on mobile screens. Most functionalities will be tested on Chrome mobile mode.

***Competitor project submission.***

• You need to submit the CSS file, without errors, that styles the website according to the requirements.

• You should not use any 3rd party CSS code. Any 3rd party code will be removed during project assessment.

• The project will be assessed in Google Chrome and with the Chrome mobile device mode.

**Save your files in C:**

Drive in directory and name it day1\_mod\_b\_xx (where X FirstName+LastName of competitor). Additional images may be created to highlight hidden elements, animations or any additional

information that will aid in the development of the website.