

**TEST PROJECT**  
**PRACTICAL SKILLS**

**MODULE 1: WEB DESIGN**

**Exam Paper Code: WD01**

<b>SCHOOL LEADERSHIP</b>	<b>CHIEF SUBCOMMITTEE ON EXAM DEVELOPMENT</b>
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### *Guide contestants*

Student's name	Date of birth	Placement	Module
			Web Design

## GUIDE CONTESTANTS

### **Time:**

- Preparation Time: 05 minutes
- Time Duration: 150 minutes
- Break Time: 10 minutes

### **Scores:**

Exam content		Marks
1	Programming with HTML/CSS	30
2	Programming with JavaScript	30
3	Use the MySQL	10
4	Programming with PHP	30
Total Marks		100

### **Candidates are required to note:**

- Ensure safety standards of health and computer
- Do the test independently without discussing while doing the test
- Comply with regulations of exam room and proctor's instructions
- Fill the information in the form
- Complete all requirements in the content of the exam
- Do not use documents, the Internet and other communication devices during the assignment
- If the exam does not have special requirement for the file name and storage location, contestants save all exam file name in the folder as following format:

**D:\WorkSkills\Web Design**

*<Student's Name>\_< Student code >[.< extension >]*

### Guide contestants

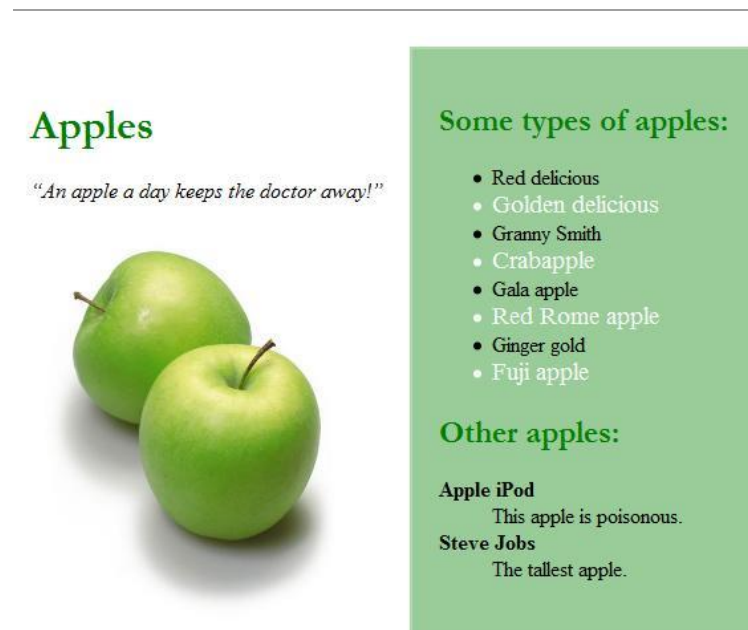
Student's name	Date of birth	Placement	Module
			Web Design

## CONTENT OF THE TEST

### Question 1:

#### Programming with HTML/CSS:

Use HTML/CSS code to design the following page:



### DESCRIPTION OF PROJECT AND TASKS

- Make all headings green, and make them use Garamond font or any serif font on the system.
- The quote should be italicized.
- The apples picture name is greenapples.jpg. It also links to <http://www.apple.com/>.
- All pictures should have no borders and be 250 pixels wide.
- The right section has a 2 pixel wide outset green border and a background of #99cc99.
- Every other line in the "types of apples" list is white and its font-size is 120% as large as the other list items.
- The definition terms are bolded.
- Notice that there are two distinct sections on the page.
- The content inside each section should be 20 pixels away from all edges.

*Guide contestants*

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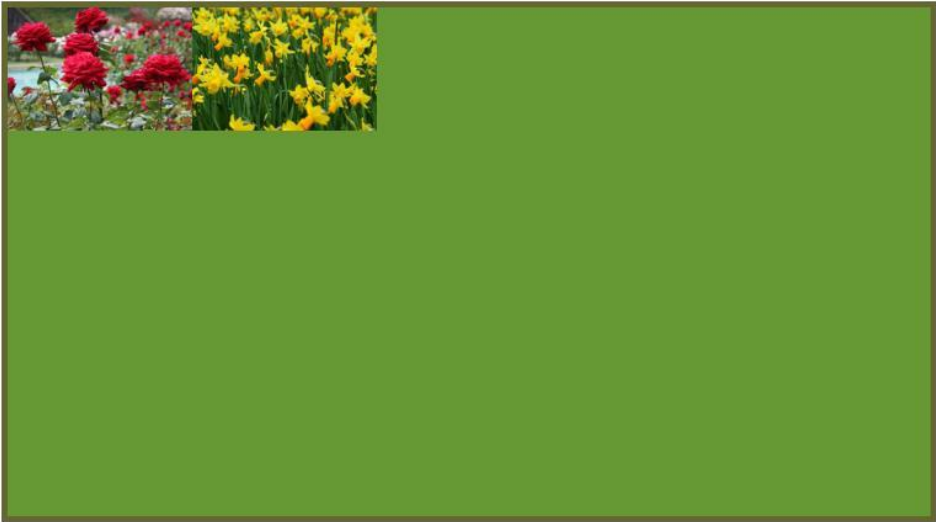

**Question 2:**

**Programming with JavaScript:**

Write the necessary JavaScript code **garden.js** for the functionality of the following page:

---

Flower Garden



# of flower patches:

---

**DESCRIPTION OF PROJECT AND TASKS**

- This page allows the user to plant a number of flower patches in their garden.
- The input box for the # of flower patches has an id of "count".
- The "Plant Garden" button has an id of "plant".
- The "Clear" button has an id of "clear".
- When the user clicks on "Plant Garden" the page should generate the # of flower patches given in the input box on the page.
- The flower patches are images; either daffodils.jpg or roses.jpg.
- Choose randomly what kind of flower patch to show.
- Clicking on the "Clear" button removes all flower patches from the garden.

*Guide contestants*

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**Question 3:**

Use the MySQL create database Cities:

*The database schema:*

Countries						
code	Name	Continent	independence_ year	population	gnp	head_of_state
AFG	Afghanistan	Asia	1919	22720000	5976.0	Mohammad Omar
NLD	Netherlands	Europe	1581	15864000	371362.0	Beatrix
...	...	...	...	...	...	...

Cities				
Id	Name	country_code	district	population
3793	New York	USA	New York	8008278
1	Los Angeles	USA	California	3694820
...	...	...	...	...

Languages			
country_code	language	official	percentage
AFG	Pashto	T	52.4
NLD	Dutch	T	95.6
...	...	...	...

**DESCRIPTION OF PROJECT AND TASKS**

Some countries have two cities with the same name. For example, there are several cities in the USA named Springfield, which is part of the reason that name was chosen for the home town of the Simpsons.

### Guide contestants

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Using the world database, find all such cities where there are two or more cities within the same country that have the same name. Show both the country name and the city name. Eliminate duplicate results and order by the country name, breaking ties by the city name.

This is the output you should get:

```
+-----+-----+
| country      | city      |
+-----+-----+
| China        | Jining    |
| China        | Kaiyuan   |
| China        | Yichun    |
| Indonesia    | Depok     |
| Mexico       | Guadalupe |
| Mexico       | La Paz    |
| Mexico       | Matamoros |
| Philippines  | San Carlos|
| Philippines  | San Fernando|
| Philippines  | San Jose  |
| Russian Federation | Zeleznogorsk |
| United States | Arlington |
| United States | Aurora    |
| United States | Columbus  |
| United States | Kansas City|
| United States | Richmond  |
| United States | Springfield|
+-----+-----+

17 rows in set (14.48 sec)
```

### Guide contestants

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			Web Design

#### Question 4:

##### Programming with PHP:

Use database **Cities** from module C write a page that displays the result of a query in PHP. Start from the following file [cities.php](#) (initial HTML/CSS code use cities.css from source folder)



And page **show.php**:



#### DESCRIPTION OF PROJECT AND TASKS

- Use banner and background from source folder.
- Drop-down list "country" has an id of "country", it show name country.
- Drop-down list "top" has an id of "top", it show top largest cities.
- The "Submit Query" button has an id of "query", It also links to [show.php](#).
- Page show.php show top largest cities of country selected.

*Assessment guidelines*

<b>Student's name</b>	<b>Date of birth</b>	<b>Position</b>
		<b>Web Design</b>

**GENERAL TRANSCRIPT**

<b>Exam content</b>		<b>Maximum Marks</b>	<b>Achieved Marks</b>
1	Programming with HTML/CSS	30	
2	Programming with JavaScript	30	
3	Use the MySQL	10	
4	Programming with PHP	30	
<b>Total Marks</b>		<b>100</b>	

**TEST TIME**

<b>Get to know the equipment</b>		<b>Time Duration</b>		<b>Break Time</b>			
Starting time		Starting time		Starting time		Starting time	
Ending time		Ending time		Ending time		Ending time	

**TEACHERS' SIGNATURE**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>



*Assessment guidelines*

Student's name	Date of birth	Position
		Web Design

**ASSESSMENT GUIDELINES**

1	Technical Press the network cable	Maximum Marks	Achieved Marks	Note
1.1	Animation doesn't distract the eye when reading over website content.	1		
1.2	Animation fits in with the design of the website.	1		
1.3	Uniqueness of the animation.	1		
1.4	Layout	4		
1.5	Make all headings green, and make them use Garamond font or any serif font on the system.	3		
1.6	The quote italicized.	3		
1.7	The apples picture name is greenapples.jpg. It also links to <a href="http://www.apple.com">http://www.apple.com</a>	3		
1.8	All pictures should have no borders and be 250 pixels wide.	2		
1.9	The right section has a 2 pixel wide outset green border and a background of #99cc99.	2		
1.10	Every other line in the "types of apples" list is white and its font-size is 120% as large as the other list items.	2		
1.11	The definition terms are bolded.	2		
1.12	there are two distinct sections on the page.	3		
1.13	The content inside each section should be 20 pixels away from all edges.	3		
<b>Total Marks</b>		<b>30</b>		

2	Design the network model using VISIO software according to the system requirements	Maximum Marks	Achieved Marks	Note
2.1	Animation doesn't distract the eye when reading over website content.	1		
2.2	Animation fits in with the design of the website.	1		
2.3	Uniqueness of the animation.	1		
2.4	Page layout has all required sections.	5		
2.5	Box for "count".	5		

**Assessment guidelines**

Student's name		Date of birth	Position	
			Web Design	
2.6	Button "Plant Garden".	5		
2.7	Button "Clear".	5		
2.8	Use images; either daffodils.jpg or roses.jpg.	4		
2.9	Choose randomly what kind of flower patch to show.	3		
2.10	Animation doesn't distract the eye when reading over website content.	1		
Total Marks		30		

3	Use Packet Tracer software to configure the above system	Maximum Marks	Achieved Marks	Note
3.1	Tables with all necessary fields have been created	3		
3.2	Data types / lengths are appropriate on all fields	1		
3.3	Foreign key constraints have been used where appropriate	1		
3.4	The data for the menus has been inserted into the tables	1		
3.5	Find all such cities where there are two or more cities within the same country that have the same name	4		
Total Marks		10		

4	Use Packet Tracer software to configure the above system	Maximum Marks	Achieved Marks	Note
4.1	Website that is connected to the database	3		
4.2	Logical Website layout	2		
4.3	Images have been used effectively in the designs	2		
4.4	Design page cities.css	2		
4.5	Design page cities.php	5		
4.6	Design page show.php	3		
4.7	Drop-down list "country" show name country.	5		
4.8	Drop-down list "top" show top largest cities.	3		
4.9	The "Submit Query" button links to show.php.	5		
Total Marks		30		