



University of Central Punjab

Course Title: Web Application Development

Course Instructors:

Muhammad Ali Makhdoom

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Semester: Spring 2018

Course Code: CSSE3143

Percent Weight: 25%

Program: BSCS

Duration: 120 Minutes

Total Marks: 200

Instructions (Designing a Scholarship Web Page)

You need to design a web page about students' scholarship. A zip file which contains the content of the Web page and images used in the Web page is provided to you. This zip file also contains "`index.html`" file, a "`css`" folder with "`style.css`" and "`bootstrap.css`" file inside it, a "`js`" folder with "`script.js`" file inside it, and a "`screenshots`" folder. All your HTML code should be added to "`index.html`" file, all your CSS rules should be added to "`style.css`" file and all your JavaScript code should be added to "`script.js`" file. At the same time, you **shouldn't remove, add, or move any file or folder**.

The "`Students-List.jpg`" file in the "`screenshots`" folder is what the result of application Web page finally looks like. Other images in "`screenshots`" folder is to explain the layout of the Web page.

Submission

Compress all the files into a zip file and submit it to the "mid-term" folder submission directory.

Question 01:

(60 Marks)

Regex Validation

#	Field	Rules	Matches	Non-Matches
1	First Name / Last Name	<ul style="list-style-type: none"> Should contain only alphabets A single space, dash (-) and dot (.) can come in between. A dot can appear at the end. Consecutive Space, dash or dot not allowed. Space or dash in the start or end not allowed. 	LAIQA IMRAN amna malik M Umar Saad-ur-Rehman	So#ail Ali - Makhdoom Siddique G Mustaf@ Iqra- -Taz33n
2	Registration#	<ul style="list-style-type: none"> Only UCP registration numbers are allowed. Spaces or dashes are not allowed. 	l1f15mscs2334 L1S16BSCS4502	L2D12MSCS0001 L1-F12-BBIT-9909 L1 F17 BSCS 9989
3	Email	<ul style="list-style-type: none"> Only emails with ucp and gmail domains are accepted. 	ali.mak@ucp.edu.pk saad@gmail.com ai_ucp@gmail.com ali-hassan@gmail.com 14ali@gmail.com	ali.capri@yahoo.com m @.ja@p.com J – p * @ucp .edu .pk
4	Mobile#	<ul style="list-style-type: none"> Should start with 03 Should be dash (-) after 4 digits. 7 digits are dash. Spaces or + sign not allowed. 	0321-4117185 0333-4527885 0300-5874500	+92 333 4527885 0423-4572846 0333 5689754 12345678912 0090 331 8754654
5	Date of Birth	<ul style="list-style-type: none"> Should be in the format DD/MM/YYYY Years are allowed from 1970 to 2001 Only Dates are allowed from 01 to 31 Months are allowed from 01 to 12 Spaces and dots are not allowed. 	31/12/1970 1/1/1990	31/12/1969 1-1-1991 1/13/1990 32/1/1992

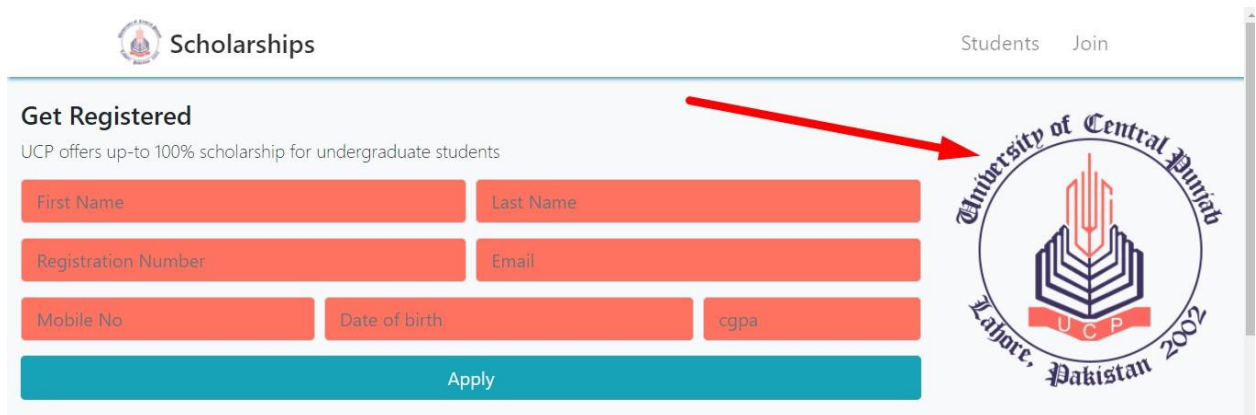
6	Cgpa	<ul style="list-style-type: none"> Should be between 0 to 4 Up to two digits are allowed after decimal. 	0 0.00 3.9 2.25 4.0 1	4.1 2. 3.888 00 .35
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Question 02:

(60 Marks)

Display

- UCP logo should cover 12/3 portion of screen and should only visible on large and extra-large screens.



Scholarships

Students Join

Get Registered

UCP offers up-to 100% scholarship for undergraduate students

First Name Last Name

Registration Number Email

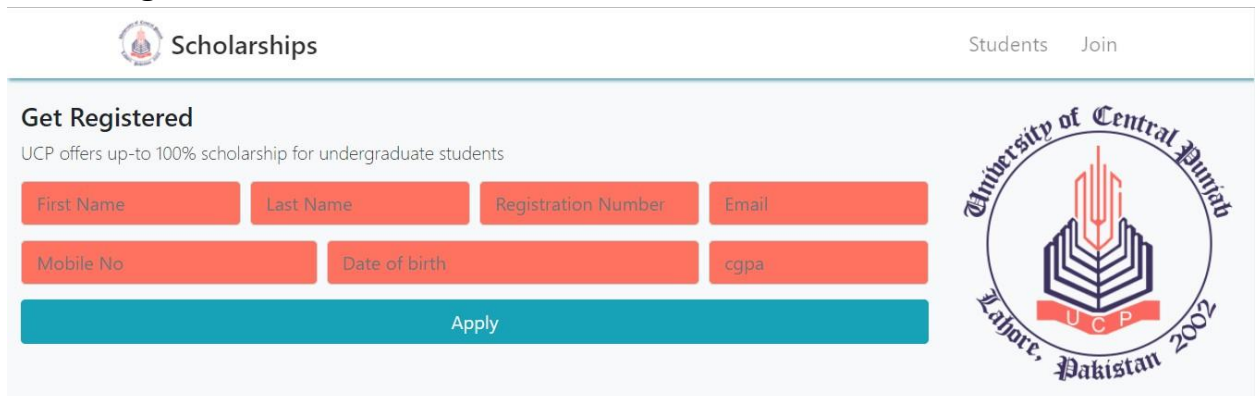
Mobile No Date of birth cgpa

Apply

University of Central Punjab
Lahore, Pakistan 2002

- Adjust the fields for all devices as shown below.

Extra-large Screen View



Scholarships

Students Join

Get Registered

UCP offers up-to 100% scholarship for undergraduate students


First Name Last Name Registration Number Email

Mobile No Date of birth cgpa

Apply

University of Central Punjab
Lahore, Pakistan 2002


Large Screen View

 Scholarships


Students [Join](#)

Get Registered

UCP offers up-to 100% scholarship for undergraduate students



Medium Screen View



 Scholarships

Students [Join](#)

Get Registered

UCP offers up-to 100% scholarship for undergraduate students

Small Screen View

 Scholarships

Get Registered

UCP offers up-to 100% scholarship for undergraduate students

Apply

Extra-Small Screen View

Get Registered

UCP offers up-to 100% scholarship for undergraduate students

Apply

Question 03:

(80 Marks)

JavaScript

1. Fetch the data of student and calculate scholarship on the base of CGPA. The criteria of scholarship is given below.

Scholarship	Requirement
100%	≥ 3.95 (Only if the student avails 100% merit scholarship in the 1st semester)
75%	$\geq 3.90, < 3.95$
50%	$\geq 3.50, < 3.90$
25%	$\geq 3.25, < 3.50$
12.5%	$\geq 3.00, < 3.25$

2. Save the validated data of student in localstoage in the form of object as shown below.

```
▼ [{name: "Muhammad Ali", regNo: "11f15mscs0003", cgpa: "3", scholarship: 25},...]  
▶ 0: {name: "Muhammad Ali", regNo: "11f15mscs0003", cgpa: "3", scholarship: 25}  
▶ 1: {name: "Rehan Abbas", regNo: "L1S16BSCS4502", cgpa: "2", scholarship: 0}  
▼ 2: {name: "Ghulam Mustafa", regNo: "L1S16BSCS0049", cgpa: "3.89", scholarship: 50}  
    cgpa: "3.89"  
    name: "Ghulam Mustafa"  
    regNo: "L1S16BSCS0049"  
    scholarship: 50  
▶ 3: {name: "Komal Saqib", regNo: "L1S16BSCS0043", cgpa: "3.1", scholarship: 25}  
▶ 4: {name: "Haris Javed", regNo: "L1S16BSCS0078", cgpa: "4", scholarship: 100}  
▶ 5: {name: "Talha Saleem", regNo: "L1S16BSCS0057", cgpa: "3.94", scholarship: 75}
```

3. Show the updated list using JavaScript in the table of students list as show below.

Students List			
Name	Registration #	cgpa	Scholarship
Muhammad Ali	I1f15mscs0003	3	25%
Rehan Abbas	L1S16BSCS4502	2	0%
Ghulam Mustafa	L1S16BSCS0049	3.89	50%
Komal Saqib	L1S16BSCS0043	3.1	25%
Haris Javed	L1S16BSCS0078	4	100%
Talha Saleem	L1S16BSCS0057	3.94	75%

4. Check if a student already registered then not update the list and show the alert message as shown below.

Get Registered

UCP offers up-to 100% scholarship for undergraduate students

Muhammad

Ali

I1f15mscs0003

ali.cani@gmail.com

0321-1477958

20/5/1995

3.12

Student Already Registered

Apply

