



COMSATS UNIVERSITY ISLAMABAD

DEPARTMENT OF COMPUTER SCIENCE

Terminal Exam, Spring 2021

Class/Section: BSSE – 7 A&B
Subject: Web Technologies (CSC336)
Instructor: Saadia Maqbool

Marks: 25
Time: 1 hour 30 minutes
Dated: July 03, 2021

Please read these instructions carefully:

- 1. Each of the following web applications have 10 requirements. See the list at the end and Find your web app and related requirement to implement.**
- 2. You will only implement your part of question paper.**
- 3. Any wrong attempt or copied code/similar code shall not be tolerated and can lead to failure.**

Web Applications:

- A. Learning Management System
- B. Clinic Services
- C. Online Course offering platform
- D. Food ordering platform
- E. Event Management
- F. Job portal/HR for some organization
- G. Buy and sell platform
- H. Online Book store
- I. Sports club considering matches as events to subscribe
- J. Real-estate Construction agency
- K. Diagnostics and Testing Service
- L. Car Repair/Maintenance

Requirements:

1. Register main actor using a form with all and any appropriate fields, e.g. email address etc and return a unique registration number (other than monodb auto-generated id)
2. Search and view specific course/doctor/food item/user/job using name and see few specific details according to your system.
3. Can search and view list of courses/doctors/food items/users/jobs in a specific category already available in the system.
4. User can see the history maintained in the system of previous visits/purchases/posts applied etc. after providing unique user id in the system. Assume data is already populated in the system.
5. Subscribe/place order/pay visit/etc. and get a unique code from the system.
6. View payment details for subscription/visit/order etc. by providing a unique code.
7. Fetch and delete specific subscription/visit/order using a unique code.
8. Fetch and Update a few fields for subscription/visit/order using a unique code.
9. As an admin, view statistics for a particular doctor/food item/job/course subscription etc.



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10. As an admin, view total payments done by user for a specific time period. Consider payments done manually.

Work to be implemented as per each part:

A. You will design and write code for REST API where user can access above resources and URIs for getting information. Do highlight if you assume something in implementation. You have to design model, schema and route.

Marks:9 Marks

B. Write a service to get information from above API and then display on its relevant component (TS and HTML code).

Marks:9 Marks

C. Implement the same component using React.JS.

Marks:7 Marks

Sr.#	Registration #	Student Name	Web Application	Requirement #
1	CIIT/FA17-BSE-156/ISB	GHAZAL SARVARI GANDEVANI	A	10
2	CIIT/FA18-BCS-090/ISB	RANA DAWAR ABDULLAH	B	9
3	CIIT/SP18-BSE-001/ISB	ABDUL RAHEEL	C	8
4	CIIT/SP18-BSE-002/ISB	ABDUL REHMAN	D	7
5	CIIT/SP18-BSE-004/ISB	ABDUR REHMAN	E	6
6	CIIT/SP18-BSE-005/ISB	ABRAR MAQSOOD	F	5
7	CIIT/SP18-BSE-006/ISB	AFSHAN REHMAN	G	4
8	CIIT/SP18-BSE-008/ISB	AHMAD NOOR KHAN	H	3
9	CIIT/SP18-BSE-009/ISB	AHMED ASHRAF	I	2
10	CIIT/SP18-BSE-010/ISB	AHMED HUSSAIN MUJTABA	J	1
11	CIIT/SP18-BSE-011/ISB	ALI ASGHAR	K	10
12	CIIT/SP18-BSE-012/ISB	ALI MUHAMMAD	L	9
13	CIIT/SP18-BSE-014/ISB	AMIR ALI MEMON	A	8
14	CIIT/SP18-BSE-016/ISB	AMMAR SIKANDAR RANJHA	B	7
15	CIIT/SP18-BSE-018/ISB	AMNA ASAD	C	6



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16	CIIT/SP18-BSE-020/ISB	ANEES UR REHMAN	D	5
17	CIIT/SP18-BSE-021/ISB	ARIBA HUSSAIN	E	4
18	CIIT/SP18-BSE-023/ISB	AZKA MASOOD	F	3
19	CIIT/SP18-BSE-024/ISB	BILAL SHAHZAD	G	2
20	CIIT/SP18-BSE-027/ISB	ELIF ZAMIR	H	1
21	CIIT/SP18-BSE-028/ISB	ERUM	I	10
22	CIIT/SP18-BSE-029/ISB	FAHAD AHMED	J	9
23	CIIT/SP18-BSE-030/ISB	FAIZA IRAM	K	8
24	CIIT/SP18-BSE-031/ISB	FARAZ AFRIDI	L	7
25	CIIT/SP18-BSE-033/ISB	FASEEH AHMAD	A	6
26	CIIT/SP18-BSE-034/ISB	HADIA ISHFAQ	B	5
27	CIIT/SP18-BSE-035/ISB	HADIA KHALID	C	4
28	CIIT/SP18-BSE-036/ISB	HAFEEZ ULLAH	D	3
29	CIIT/SP18-BSE-037/ISB	HANANA KHAWAJA	E	2
30	CIIT/SP18-BSE-038/ISB	HANZALA AMIN	F	1
31	CIIT/SP18-BSE-039/ISB	HANZLA AHMED	G	10
32	CIIT/SP18-BSE-040/ISB	HARIS ABDULLAH	H	9
33	CIIT/SP18-BSE-041/ISB	TANIA ZAFAR	I	8
34	CIIT/SP18-BSE-043/ISB	UBAID-UR-REHMAN	J	7
35	CIIT/SP18-BSE-045/ISB	UMBER ZAHID	K	6
36	CIIT/SP18-BSE-047/ISB	USAMA ARSHAD	L	5
37	CIIT/SP18-BSE-048/ISB	USAMA ILYAS	A	4
38	CIIT/SP18-BSE-049/ISB	USAMA JAVAID	B	3
39	CIIT/SP18-BSE-078/ISB	MUHAMMAD ATIF	C	2
40	CIIT/SP18-BSE-090/ISB	MICHAL JOHN	D	1
41	CIIT/SP18-BSE-098/ISB	NAVEED TARIQ	E	10
42	CIIT/SP18-BSE-102/ISB	SARA ZAMIR	F	9
43	CIIT/SP18-BSE-103/ISB	SARDAR SAAD JAVAID	G	8
44	CIIT/SP18-BSE-121/ISB	MUHAMMAD FASEEH JAVED	H	7
45	CIIT/SP18-BSE-124/ISB	MUHAMMAD NOOR UL AIN	I	6
46	CIIT/SP18-BSE-143/ISB	HARRIS	J	5
47	CIIT/SP18-BSE-157/ISB	SALIHA AZEEM	K	4
48	CIIT/SP18-BSE-160/ISB	SOHAIL FAREED	L	3
49	CIIT/SP18-BSE-172/ISB	FIZZA AAMIR PARACHA	A	2
50	CIIT/FA16-BSE-013/ISB	SIBTAIN ABBAS BUTT	B	1
51	CIIT/FA16-BSE-035/ISB	HAFIZ ATEEB AHMAD	C	10



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52	CIIT/SP16-BSE-056/ISB	MUHAMMAD FAISAL	D	9
53	CIIT/SP16-BSE-117/ISB	USMAN KHALIL	E	8
54	CIIT/FA17-BSE-007/ISB	ABDUR REHMAN MALIK	F	7
55	CIIT/SP18-BCS-095/ISB	MUHAMMAD AHMED	G	6
56	CIIT/SP18-BCS-136/ISB	OSAMA ALI ZAIB	H	5
57	CIIT/SP18-BSE-052/ISB	USAMA SHAHZAD	I	4
58	CIIT/SP18-BSE-053/ISB	UZAIR ASGHAR	J	3
59	CIIT/SP18-BSE-054/ISB	WAJAHAT QADEER	K	2
60	CIIT/SP18-BSE-056/ISB	YUSRA ZAFAR	L	1
61	CIIT/SP18-BSE-060/ISB	ZEESHAN ALI HAMDANI	A	10
62	CIIT/SP18-BSE-061/ISB	ZEESHAN KHAN	B	9
63	CIIT/SP18-BSE-062/ISB	HARIS KAYANI	C	8
64	CIIT/SP18-BSE-065/ISB	KHADIJA AMAN KHAN	D	7
65	CIIT/SP18-BSE-066/ISB	KIRAMAT ULLAH BAIG	E	6
66	CIIT/SP18-BSE-067/ISB	MUHAMMAD TAIMOOR KHAN	F	5
67	CIIT/SP18-BSE-068/ISB	MAHAM RIAZ KEYANI	G	4
68	CIIT/SP18-BSE-072/ISB	MOEEZ SAJID	H	3
69	CIIT/SP18-BSE-074/ISB	MUHAMMAD ABDUL MOEED	I	2
70	CIIT/SP18-BSE-076/ISB	MUHAMMAD ANWAR SAMEEN	J	1
71	CIIT/SP18-BSE-079/ISB	MUHAMMAD FAHAD BIN KHALID	K	10
72	CIIT/SP18-BSE-081/ISB	MUHAMMAD HARIS	L	9
73	CIIT/SP18-BSE-082/ISB	MUHAMMAD HASSAN KHAN	A	8
74	CIIT/SP18-BSE-086/ISB	MUHAMMAD USMAN	B	7
75	CIIT/SP18-BSE-087/ISB	HASEEB ARIF	C	6
76	CIIT/SP18-BSE-089/ISB	MALIK WAJAHAT NADEEM	A	5
77	CIIT/SP18-BSE-091/ISB	MUHAMMAD OBAID KHAN	B	4
78	CIIT/SP18-BSE-093/ISB	MUHAMMAD SAAD BHATTI	C	3
79	CIIT/SP18-BSE-094/ISB	MUHAMMAD SHEHRYAR KHAN	D	2
80	CIIT/SP18-BSE-097/ISB	NAMRA WASEEM	E	1
81	CIIT/SP18-BSE-105/ISB	SHAHID KHAN	F	10
82	CIIT/SP18-BSE-106/ISB	SHAHZAIB ARSHAD	G	9
83	CIIT/SP18-BSE-107/ISB	SOBAN SAEED BUTT	H	8
84	CIIT/SP18-BSE-108/ISB	SYED AHMAD HUSSAIN	I	7
85	CIIT/SP18-BSE-110/ISB	SYED MUHAMMAD MOQEET UL HASAN	J	6
86	CIIT/SP18-BSE-112/ISB	IHTESHAM MANSOOR	K	5



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87	CIIT/SP18-BSE-115/ISB	KOMAL NIDA	L	4
88	CIIT/SP18-BSE-116/ISB	MAIDA AZAM KHAN	A	3
89	CIIT/SP18-BSE-117/ISB	MOHSIN NAWAZ	B	2
90	CIIT/SP18-BSE-119/ISB	MUHAMMAD ANSAR	C	1
91	CIIT/SP18-BSE-123/ISB	MUHAMMAD MUZZAMMIL	D	10
92	CIIT/SP18-BSE-126/ISB	MUHAMMAD TALHA WASEEM	E	9
93	CIIT/SP18-BSE-127/ISB	MUHAMMAD TAQI RAZA	F	8
94	CIIT/SP18-BSE-128/ISB	MUHAMMAD TARIQ	G	7
95	CIIT/SP18-BSE-130/ISB	MUHAMMAD USMAN AMJAD	H	6
96	CIIT/SP18-BSE-133/ISB	SAMMAD FAROOQ	I	5
97	CIIT/SP18-BSE-134/ISB	SHAHEER BABAR	J	4
98	CIIT/SP18-BSE-136/ISB	SYED FAHEEM SHAH	K	3
99	CIIT/SP18-BSE-139/ISB	KHURRAM ZEESHAN NAWAZ	L	2
100	CIIT/SP18-BSE-141/ISB	MUHAMMAD AWAIS	A	1
101	CIIT/SP18-BSE-144/ISB	MUHAMMAD HARIS ABBASI	B	10
102	CIIT/SP18-BSE-146/ISB	MUHAMMAD IBRAHEEM WAHEED	C	9
103	CIIT/SP18-BSE-147/ISB	MUHAMMAD IBRAHIM	D	8
104	CIIT/SP18-BSE-149/ISB	MUHAMMAD SHERYAR HASAN	E	7
105	CIIT/SP18-BSE-151/ISB	MUHAMMAD UMAIR BIN SAJID	F	6
106	CIIT/SP18-BSE-153/ISB	NOMAN KHAN	G	5
107	CIIT/SP18-BSE-154/ISB	NOMAN TALIB	H	4
108	CIIT/SP18-BSE-156/ISB	SAIF ULLAH	I	3
109	CIIT/SP18-BSE-158/ISB	SAMI AHMED KHAN	J	2
110	CIIT/SP18-BSE-159/ISB	SARMAD ALI KALWAR	K	1
111	CIIT/SP18-BSE-162/ISB	MAAZ KHAN	L	10
112	CIIT/SP18-BSE-163/ISB	MOAZ BIN YOUNUS	A	9
113	CIIT/SP18-BSE-165/ISB	MUHAMMAD HASSAN WASEEM	B	8
114	CIIT/SP18-BSE-166/ISB	MUHAMMAD IRFAN SHAHID	C	7
115	CIIT/SP18-BSE-169/ISB	SALMAN KHALID	D	6
116	CIIT/SP18-BSE-170/ISB	SHAHIRUKH KHAN FAZAL	E	5
117	CIIT/SP18-BSE-174/ISB	MUHAMMAD AHSAN BAQAI	F	4
118	CIIT/SP18-BSE-175/ISB	HASSAM ULLAH SHAH	G	3
119	CIIT/SP18-BSE-178/ISB	MUHAMMAD ALAM	H	2
120	CIIT/SP18-BSE-179/ISB	UZAIR AHMAD	I	1
121	CIIT/SP18-BSE-182/ISB	OSAMA ILYAS	J	10