

IT3133: Mobile Communication and Computing

ICAE 01

Department of Physical Science

Faculty of Applied Science, University of Vavuniya

Answer All Questions

Duration: 1 hour

23rd of November 2023

Instructions:

The react project is available in the shared drive as a ZIP file, copy it to your local drive and extract it. The project is embedded with the necessary data, images and style sheets. After finishing your code work, place only the 'src' folder in the Z drive.

Question:

The IT development committee of the University of Vavuniya is expected to create an online students' information portal. They are willing to hire talented IT students to be part of the development team. Students must complete the given SPA project task with efficient programming methods and component architecture for the initial selection process. The task details are elaborated below.

Technology: React

Editor: VS code.

Prototype depicted in Figure 1

Students Information Portal

Font Size:

First name	Last name	Course	Country	Profile		
James	Kim	IT	Korea	view		ID UOV15651
Emily	Jones	Computer Science	USA	view		Full Name: James Kim
Michael	Smith	Engineering	UK	view		Age: 21
Sophia	Miller	Mathematics	France	view		Course: IT
Daniel	Brown	Business	Canada	view		Gender: Male
Olivia	Johnson	Design	Australia	view		Address: Seoul Korea
William	Wilson	Physics	Germany	view		Skills : C++, Java, JavaScript,
Ava	Davis	Medicine	Japan	view		
Liam	Taylor	Psychology	India	view		
Emma	Thomas	Environmental Science	Brazil	view		
Noah	White	Political Science	USA	view		
Isabella	Anderson	Sociology	South Africa	view		
Mason	Moore	Economics	Russia	view		
Aria	Martin	History	Italy	view		
Ethan	Clark	Chemistry	Korea	view		
Grace	Lewis	Nursing	Sweden	view		
Logan	Hill	Astronomy	USA	view		
Mia	Ward	Linguistics	Spain	view		

Figure 1 Prototype of students' information portal

Requirements:

1. Facility to change the font size of contents with three size options small, medium, and large with respective font sizes 16px, 20px, and 24px. [mark 20]
2. On the left side, show a table with basic student records such as first name, last name, course, and country. [mark 20]
3. The table should have a button along with each student's records to view his/her full profile. [mark 30]
4. On the right side, display a profile which contains all the student's details including the profile picture. [mark 30]

Hint:

- Students' data is available in the StudentsDb.JS file.
- To display an image, use the following code:

```
<img className="profile"
src={require('./assets/profilepic/'+props.student.profilePic)}
alt="Profile"/>
```
- Profile pictures are available in the *assets* folder.
- When the first time the page loads, show the first student's profile.