

UNIVERSITY OF TECHNOLOGY, JAMAICA

School of Computing and Information Technology

Web Systems Design and Implementation (CIT4034)

Group Assessment (35%)

DUE DATE: Week of November 17, 2019

Scenario:

A Real Estate Company, **Mi Casa**, would like you to design an attractive website that allows them to advertise properties for sale or rent online, whether commercial or residential. The company wants new users to be able to create an account to register their property. A user who already has an account should be able to have multiple properties for sale.

1. Users who own properties must be able to upload a preview image of the property, as well as a gallery for each property.
2. Users without accounts should be able to search for and view information on the website, as well as sort the properties based on their type, price, location, etc.
3. An administrator account should be prepared with the ability to create, edit and delete accounts or properties. Administrator should also be able to manipulate and read files, generated from registration.

Building from the Individual Assessment, make additional updates (database connectivity, manipulation, etc), to the website using the details below.

PROJECT: 25%

USER FUNCTIONALITY

Guest:

- View property listing
- Search property listing based on criteria (Price Range, Parish, Property Type, Listing Type, Price:*maximum price*)
- *The preview display of properties should display the image, price, and location. Once clicked, it should go to a detailed page of the property as well as the contact information of the vendor.*

User: (performs functions of GUEST and the following)

- Login (Email Address and Password)
- Administrator:
- Default Login
 - usr: micasadmin, pw: micasa#123*
- Register, Edit account
 - *Deleting the account should cascade the database so that the properties being sold are also deleted.*
- Add, Edit, Delete Properties
 - Upload images for properties' gallery.

Administrator: (performs functions of USER and the following)

- Add, Edit, Delete User Accounts
- Add, Edit, Delete Properties of other users.

WEBSITE

Home Page:

- Display last ten properties advertised.
- Login
- Registration
- Search for Properties

- Add Property
- View My Properties

DATABASE:

Create a UML diagram of the database to show relationship between the tables.

MARK SCHEME	
Design:	5
Validation	5
Functionality	10
<ul style="list-style-type: none">- Login and register- Add, Edit, Delete users- Add, Edit, Delete property- User Roles- Search for property- Upload images	
UML Diagram	5
Presentation	10

Submit by email in a .zip/.rar /.7z to lushane_jones@live.com.

PRESENTATION: 10%

The presentation will take the form of a detailed report outlining the following:

1. Group Members & Roles in completion of Website.
2. Disclaimers for Website operations (login, necessity of web connectivity, etc) should there be any need-to-know things about running the website.
3. Report on website development and difficulties faced (timeline, lack of coordination/cooperation, difficult website requirements, etc, errors faced).
4. Functional sections of website.
5. Non-functional sections of website (if any).
6. Learning experience of the team.
7. Commentary of Module offered (classroom, lab, lecturer, delivery, etc)