

TP2 : 20%

Remax Web Application

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| **Course Identification** | |
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| Program’s Name – Code: | **TECHNIQUES DE L’INFORMATIQUE -SPECIALISATION EN INFORMATIQUE DE GESTION (420.A0/A)**  **PROGRAMMEUR ANALYSTE EN TECHNOLOGIES DE L'INFORMATION (LEA.3Q)** |
| Course Title : | **Internet Programming 2** |
| Course Number : | **420-P65-AS** |
| Group: |  |
| Teacher’s Name : | Fodé Toure |
| Session: | Winter 2017 |

PROJECT TITLE: Real Estate Remax Website

Description :

Students must analyse, conceive and build a Website for the real estate broker REMAX that will allow visitors to find houses and agents according to a group of predefined criterias.

The User Functionality Requirements

These are the functionalities of the Remax Website :

* F1 : The visitor can search for houses based on a group of criterias : Type, Location, Prices, Number of Rooms, ….
* F2 : The visitor can search for agents based on a group of criteria : Agent’s number, Gender, City, Language spoken.
* F3 : The visitor can send a message to the found Agent (via the House or Agent search).

The Analysis Functionality Requirements

This program should be a multi-tiers application (Gui, Business and Datasource Layers).

*- GUI Layer*:

WebSite application C# with webforms, html, CSS based on the user functionality requirements.

*- BUSINESS Layer*:(use the P46 library) add classes if necessary

Library of classes for the entities : Company, Employees(User, Admin or Agent), Clients(Buyer or Seller) and Houses.

- *DATASOURCE Layer*:(use the P46 library) add classes if necessary

Class that encapsulates the database (access) and provides public interfaces for feeding data to the business layer and writing data back to the database.

Microsoft Access database that will contains all the needed data for Remax.

The Technical Functionality Requirements

* For the GUI Layer : Use friendly and thematic (Remax related colors and images) webform interfaces.
* For the Datasource Layer : Use Ado.net.

Evaluation criterias

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| Functions | Points |
| GUI Layer: (Interface(css)+ User Friendly) | (20 + 10) = 30 |
| BUSINESS & DATA Layer | Total = 20 |
| - BUS : Additional class | + 10 |
| - DATA : Database modification for message | + 10 |
| Functionalities for User | Total = 50 |
| - F1 : Search + Find + Display houses | + (10 + 15 + 5) |
| - F2 : Search + Find + Display a Agent | + 10 |
| - F3 : Send message to agent | + 10 |
| BONUS (Use MVC instead of Webform) | + 15 |
| TOTAL | 115 |

Date of submission : the 30th of April 2017