

ACTIVITY PLAN FOR WORK EXPERIENCE. THE UNSERSIGNED PARTIES AGREE

To execute this activity plan in accordance with the current regulations and with the conditions stipulated.

FOR THE TRAINING CENTRE:

Mr/Ms: JORDI AMORÓS REBOREDO

As Principal of the Centre: INSTITUT L'ESTATUT

Tutor at the training centre: SAUSAN BATTIKH

Contact details:

FOR THE HOST ORGANISATION/COMPANY

Mr/Ms:

As:

of the organisation:

Company tutor:

FOR THE STUDENT:

Surnames/Name:

ID No.:

Vocational Family: INFORMATION AND COMMUNICATION

Training course: DEVELOPMENT OF WEB APPLICATIONS (ICCO)

Duration of Work Experience: 317 hours

Professional and work areas

This professional will be qualified to work in public or private entities, as an employee or self-employed, developing computer applications to do with web environments (intranet, extranet and the Internet). The most important jobs and positions are the following: Web programmers. Multimedia programmers. Web environment applications developers.

Activity plan

Activities

- 1. Management and use of computer systems and development environments, assessing the requirements and characteristics in accordance with the intended use
 - 1.1. Working on different computer systems, in each case identifying the hardware, the operating systems and the applications installed, and the specific restrictions or conditions of use
 - 1.2. Managing the information in different systems, taking measures to ensure data integrity and availability
 - 1.3. Participating in the management of web resources, identifying any security restrictions
 - 1.4. Using computer applications to prepare, distribute and maintain technical and user-assistance documentation
 - 1.5. Managing development environments for editing, debugging, testing and documenting code, as well as generating executable files
 - 1.6. Managing development environments, adding and using specific complements at the different stages of development projects
- 2. Participation in managing databases and applications servers, assessing/planning their configuration according to the web development project they support
 - 2.1. Interpreting the logic design of databases that ensure data accessibility
 - 2.2. Participating in materialising logic design on a database management system
 - 2.3. Using databases, applying techniques for maintaining data persistence
 - 2.4. Executing direct queries and procedures capable of managing and storing database objects and data
 - 2.5. Establishing connections with databases for executing queries and recovering the results in data access objects
 - 2.6. Participating in server management for publishing web applications
 - 2.7. Verifying the configuration of web services to ensure secure execution of the web applications
 - 2.8. Configuring database management systems and their interconnection with the web applications server

In witness thereof this agreement is issued and signed by the parties concerned.

1. For the training center

2. For the organisation/company

3. For the Student

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- 2.9. Preparing use and maintenance manuals for the applications server and the database management system
- 3. Development and deployment of server-side web applications, using the specific tools and languages and meeting the stipulated requirements
 - 3.1 Interpreting the design and model of the web applications to be developed, following the design team's instructions
 - 3.2 Editing and testing sentence blocks embedded in mark-up languages that partially or wholly make up web applications
 - 3.3 Developing applications with access to data stores, taking measures to maintain the security and integrity of the data
 - 3.4 Developing web applications that use web services, and developing own web services
 - 3.5 Participating in the deployment and maintenance of web applications, carrying out the relevant control of versions
 - 3.6 Participating in server configuration to allow deployment of applications under secure protocols, or other specific requirements
 - 3.7 Collaborating with those in charge of designing and developing the client side of the web applications, unifying criteria and coordinating development on both sides of the application
 - 3.8 Participating in defining and preparing the documentation and the rest of the components used in the application's user-support protocols
- 4. Intervention in the development and testing of the web applications interface, using the specific tools and languages and meeting the stipulated requirements
 - 4.1. Interpreting the design and the style guide for the interface of the web applications to be developed, following the design team's instructions
 - 4.2. Editing and testing blocks of sentences in mark-up languages that partially or wholly make up the web applications interface, administering styles from external pages
 - 4.3. Using transformation pages to convert and adapt information to the appropriate presentation formats for the client side
 - 4.4. Participating in preparing and integrating multimedia materials for the interface of a web application, following the design team's instructions
 - 4.5. Collaborating in the development of interactive web applications based on the handling of events and the integration of interactive elements and animations
 - 4.6. Verifying the accessibility and usability of the web applications, taking part in any changes and measures necessary for meeting the required standards
 - 4.7. Collaborating with those in charge of design and development of the server side of the web applications, unifying criteria and coordinating the development on both sides of the application
 - 4.8. Participating in the definition and preparation of the documentation and the rest of the components used in the application's user-support protocols

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