Rubrics for IS311 Course Project

The IS 311 students as a part of their coursework requirement must complete a project i.e. “Website Designing” based on the knowledge they have gained the course. It includes:

* + HTML5
  + CSS
  + BOOTSTRAP
  + JAVASRCIPT
  + Node JS
  + MYSQL
  + Teamwork

Projects also introduce students the concept of teamwork, which is accessed on the following factors: Time coordination; building on each other its strengths and compensating for weaknesses; reconciling different working styles, preferences, and levels of motivation, on-time submission etc.

The project work has been divided in 5 phases as follows:

| # | **Project Phases** |
| --- | --- |
| **Phase 1.** | Describing the website to be developed with a full wireframe |
| **Phase 2.** | Designing the actual website |
| **Phase 3** | Creating Tables using MySQL |
| **Phase 4** | Using Node JS to manipulate the database |
| **Phase 5** | Full functionality of the website |

Marking Rubrics

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| --- | --- | --- | --- | --- |
| Level | Novice  **(Below Expectation)**  **0** | Developing  **(Developing Expectation)**  **1** | Acceptable  **(Acceptable Expectation)**  **2** | Exemplary  **(Accomplished Expectation)**  **3** |
| Criteria (Levels) |
| **Phase 1:** | Not able to write a good description and creating a wireframe | Incomplete description and very poor wire frame | Complete description but not complete wire frame | Complete description and proper use and clear wire framing |
| Level | Novice  **(Below Expectation)**  **0** | Developing  **(Developing Expectation)**  **2** | Acceptable  **(Acceptable Expectation)**  **4** | Exemplary  **(Accomplished Expectation)**  **5** |
| Criteria (Levels) |
| **Phase 2:** | No design of the website | Incomplete web design and not all requirements are implemented | Complete web design with all the required features, but with a very poor visual design | Complete web design with all the required features and a very good visual design |

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| --- | --- | --- | --- | --- |
| Level | Novice  **(Below Expectation)**  **0** | Developing  **(Developing Expectation)**  **1** | Acceptable  **(Acceptable Expectation)**  **2** | Exemplary  **(Accomplished Expectation)**  **3** |
| Criteria (Levels) |
| **Phase 3:** | Does not know all the notations used in of a relational modeling.  Not able to identify parent and child relations.  Not able to identify attributes in each relation.  Not able to identify and link the primary and the foreign keys in the required relations.  Not able to use algorithms to find the primary key of a relation.  Not able to use algorithms to find minimal cover. | Knows all the notations used in of a relational modeling.  Not able to identify parent and child relations.  Able to identify the attributes in each relation with many errors.  Able to identify and link the primary and the foreign keys in the required relations with many errors. | Knows all the notations used in of a relational modeling.  Able to identify all the parent and child relations as well as their attributes with a few errors.  Able to identify and link the primary and the foreign keys in the required relations with a few errors.  Able to use algorithms to find the primary key of a relation with a few errors. | Knows all the notations used in of a relational modeling.  Able to identify all the parent and child relations as well as their attributes.  Able to identify and link the primary and the foreign keys in the required relations.  Able to use algorithms to find the primary key of a relation.  Able to use algorithms to find minimal cover. |
| Level | Novice  **(Below Expectation)**  **0** | Developing  **(Developing Expectation)**  **1** | Acceptable  **(Acceptable Expectation)**  **3** | Exemplary  **(Accomplished Expectation)**  **4** |
| Criteria (Levels) |
| **Phase 4:** | Not able to use Node JS to manipulate the site. | Able to create some Node JS code with attempt to link them correctly to the database. | Able to create most of the Node JS code and link it to the database tables with right syntaxes and all relevant constraints. | Able to create all the Node JS commands and link it to the database tables with right syntaxes and all relevant constraints. |
| Level | Novice  **(Below Expectation)**  **0** | Developing  **(Developing Expectation)**  **2** | Acceptable  **(Acceptable Expectation)**  **4** | Exemplary  **(Accomplished Expectation)**  **5** |
| Criteria (Levels) |
| **Phase 5:** | Website is incoherent and does not work properly | Website does not meet initial specification and have limited functionality | Website meets some specifications with incomplete functionality | Website meets all specifications and have full functionality |
| **Teamwork in all phases:**  Work in teams for utilizing effective group techniques to design, implement and demonstrate a database project using any DBMS tool. | Does not perform Assigned tasks.  Often misses meetings and, when present, does not have anything constructive to say; relies on others to do the work; | Performs assigned Tasks but needs Many reminders.  Attends meetings Regularly but Generally does Not say anything constructive; sometimes expects others to do his/her work | Performs all assigned tasks.  Attends meetings regularly and usually participates effectively; Generally reliable | Performs all Tasks very effectively; Attends all meetings and participates enthusiastically.  Very reliable. |
|  | Often argues with teammates; doesn't Let anyone else talk and does not listen to others' points of view | Usually does much of the talking; does Not pay much Attention when others talk, and often assumes their ideas will not work.  Works reasonably well with them | Generally, listens to others' points of view; always uses appropriate and respectful language; tries to make a definite effort to understand others' ideas; | Always listens to Others and their ideas; helps them Develop their ideas.  While giving them Full credit; always Helps the team reach A fair decision |