|  |  |  |
| --- | --- | --- |
| animatedLOGO | **Assignment No. 01**  **Semester: Spring 2021**  **Software Engineering-1 (CS504)**  **Specimen Solution File** | **Total Marks: 15** |
| **Assignment No. 1 covers lecture-01 to lecture-09.**   * **You should submit your assignment before or on due date through the VULMS.** * **Your assignment should be your own work in your own words. It should not be copied from Internet, handouts or books.** * **Your Assignment solution must be in Microsoft Word document format. Assignment solution in other than Microsoft Word document will not be accepted.** * **Assignment sent via Email will not be replied and accepted.** * **If the submitted assignment does not open or file is corrupt, it will not be marked and hence awarded zero marks.**   **Instructions:**  **Please read the following instructions carefully before submitting assignment:**  **Objectives:**   * To improve the learning of students related to software requirements analysis. * To have hands on experience of Use Case Modeling. | | |
| **For any query about the assignment, contact at** [**CS504@vu.edu.pk**](mailto:CS504@vu.edu.pk) | | |
| **Scenario**  AIR-Wave is a newly formed company that specializes in the purchase and sale of used and new imported air conditioners. It has been in business for six years and is looking to develop its business processes by automating some of its manual processes in order to achieve a competitive edge over its competitors. The management of AIR-Wave has decided to go online for transactions and plans to create a web portal for its Air Conditioner inventory. The interfaces should be customizable so that a wide variety of users could use the system effectively.  Buyers can use the proposed online system to request a catalogue of the Air Conditioners stock, while sellers can post information/details about their Air Conditioners online. Online registration is required for both sellers and buyers. In due time, AIR-Wave will notify successful tenders.  **Question#1: (5 Marks)**  **Which of the following is a / are functional requirement(s) of the AIR-Wave system?**   1. Buyers can request a catalogue of the Air Conditioners stock. 2. The interfaces should be customizable so that a wide variety of users could use the system effectively. 3. Sellers can post information/details about their Air Conditioners online. 4. AIR Wave will notify successful tenders. 5. Time taken to download images in the catalogue should not irritate users. 6. Online registration is required for both sellers and buyers.   **Solution**  1. Buyers can request a catalogue of the Air Conditioners stock.  2. Sellers can post information/details about their Air Conditioners online.  3. Online registration is required for both sellers and buyers.  4. AIR Wave will notify successful tenders.  **Question#2: (10 Marks)**  **Using the above mentioned scenario, you are required to draw a Use case model from the given functional requirements.**   * Only one diagram (Use case model model) is required which should cover the whole scenario. * Include and extend relationships must be used in the Use case model.   **Solution:**  **This is a sample solution. There can be multiple solutions depending upon the logic of the student.** | | |
|  | | |