

Instructions:

- 1. Attempt any 6 questions.**
 - 2. Make suitable assumptions wherever necessary.**
 - 3. Figures to the right indicate full marks.**
 - 4. For Database you can use mysql.**
 - 5. Upload zip file(actual code) and PDF with output screenshot.**
- Names should be enroll_AJ_LH1.zip or .pdf**

Use case 1: Company want to create software for manufacturing unit to manage all production of different products. Company have many products. To build these products different raw materials are needed and different processes needs to perform to complete these work. (apply session management to secure the system, use mysql for database and servlet to apply logic and JSP for front end part)

- | | | |
|-----------|--|-----------|
| Q1 | Create form by which product will be add in different category and at different stage of manufacturing. (stages and categories will be dynamic as per company need) | 05 |
| Q2 | For each batch of manufacturing process there will be N processes, in each process there will be multiple in products and one out product. Options needed like in house or outsource. Vendor/Employee name, per unit cost, expected out product count. On output allow user to add multiple receive. Implement this form to perform operation. | 05 |
| Q3 | On completion of all process only batch must be completed. After completing the process edit with is not possible. Implement this validation. | 05 |
| Q4 | Generate pending report for each batch-wise and process-wise. | 05 |
| Q5 | Generate batchwise cost report , in detail process wise. | 05 |
| Q6 | Generate employee or vendor wise cost sheet for duration(allow user to select employee/vendor and time duration) | 05 |
| Q7 | Apply usermanagement role wise access. | 05 |
| Q8 | Calculate product cost(approx based on in product cost, less items[lost, rejected, wastage]) | 05 |

Use case 2: Shared parking system for multiple parking spaces/ companies , in which based on category of vehicle cost is fixed for different duration,(apply session management to secure the system, use mysql for database and servlet to apply logic and JSP for front end part)

- | | | |
|-----------|--|-----------|
| Q1 | Create form to allow user to park the vehicle for specific duration. With validation. | 05 |
| Q2 | In case of vehicle parked for more than paid duration fine should be apply as per company | 05 |
| Q3 | On completion calculate total extra payment(fine, pending payment) | 05 |
| Q4 | Generate report which are parked for very long duration. | 05 |
| Q5 | Generate report for day wise payment received based on types(category) of vehicle. | 05 |
| Q6 | Generate report to find weekly day wise space utilization. | 05 |
| Q7 | Generate report to find regular customers and there Vehicle(along with details of vehicle and parking done earlier) | 05 |
| Q8 | Calculate overview report for portal Admin to get company wise in between dates to get overall status | 05 |

Best of Luck