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| --- | --- |
| **Use Case Specification** | Write servlet that outputs list of Parts in HTML format.  - List of Parts is a table with the columns corresponding to Part fields.  - Before the table on page there is a filter which allows to filter output Part records.  - If none of the filter fields is specified then all Parts should be shown.  - The table can be sorted by any of the columns by clicking on their header (one click - ASC order, next click - DESC order).  - Sorting performed only by one column at a time.  - When user uses sorting - filtering is still applied.  - Output and input format for dates is “MMM dd, yyyy”  - Parts are stored in database.  - No interfaces to edit or add Part are needed.    Filter notes:  - Text fields are filtered using “like” criteria.  - Integer fields are filtered using “not less” criteria.  - Date fields are filtered using range (after, before) criteria. |
| **Part Entity Specification** | Part entity consists of following fields:  - Part Name (String)  - Part Number (String)  - Vendor (String)  - Qty (Integer)  - Shipped (Date)  - Receive (Date) |
| **Tools to use** | Tomcat, Postgresql, Maven, no ORM, no Spring |
| **Additional info** | - Application should be provided with clear deployment instructions written in English.  - Please provide actual time spent for this test. |

### **Example of interface**

