**OLTP PLANNING EXERCISE**

![A close up of a piece of paper

Description automatically generated]()

# Possible UX Interface

![A screenshot of a cell phone

Description automatically generated]()

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| **Controls** | | **Events** |
| OrderNumber(**1**) | | None / wired via ObjectDataSource   * Validate data present; * call BLL; |
| **BBL Class(es) and Method (s)** | | |
| OrderController | List<SelectionList> List\_OrderList()  Retrieve a list of open orders and order id for DDL | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| OrderList (R) | | SelectionList (P) |

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| **Controls** | | **Events** |
| Fetch (ordernumber) (**2**),  orderlistid | | OnClick / wired via ObjectDataSource   * Move selection value to OrderListID, DDL OrderListID to SearchArgID; * Bind data to OrdereListView |
| **BBL Class(es) and Method (s)** | | |
| OrderListController | List<OrderListItems> List\_OrdererdItems(int ordernumber)  Retrieve a list of order list items for supplied OrderListID. Return,  ProductDescription, QtyOrdered,QtyPicked, Price, Discount,CustomerComment,  PickIssue. | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| OrderList (R,U,D) | | OrderedItems(P) |

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| Controls | | Events |
| PickerDDL (3) | | * None / wired via ObjectDataSource |
| BBL Class(es) and Method (s) | | |
| PickersController | List<SelectionList> List\_Pickers() | |
| Retrieve a list of genre names and genre id for DDL | |  |
| SQL Table(s): | | Entities/DTOs/POCOs |
| Pickers | | Pickers(E) |

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| **Controls** | | **Events** |
| Fetch (**2**), CustomerInfo(**4**), | | Fetch OnClick   * Validate data present; * call BLL; * Bind returned data to CustomerInfo. |
| **BBL Class(es) and Method (s)** | | |
| CustomerController | List< Customers> List\_Customers(int customerID)  Retrieve a list of customers for supplied customerID. Return firstname, lastname, phone. Display in Customer info box (**4**). | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| Customers (R), Orders(R) | | Customers (P) |

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| **Controls** | | **Events** |
| UpdateOrder (**6**) | | OnCLick   * Collect ordernumber, pickerid and and validate (at both are present in orders list); * send to BLL for updating orderlist items ; * refresh orderlist. |
| **BBL Class(es) and Method (s)** | | |
| OrderListController | void Update\_OrderList(int orderlistid, pickerid, List<string> orderlistsitems)   * Find orderlist items, * remove items out of stock, * update order with pickeddate * update orderlist and refresh list view. | |
| **SQL Table(s): (C,R,U,D)** | | **Entities/DTOs/POCOs** |
| OrderList(R/U/D) , Orders(R,U) | |  |