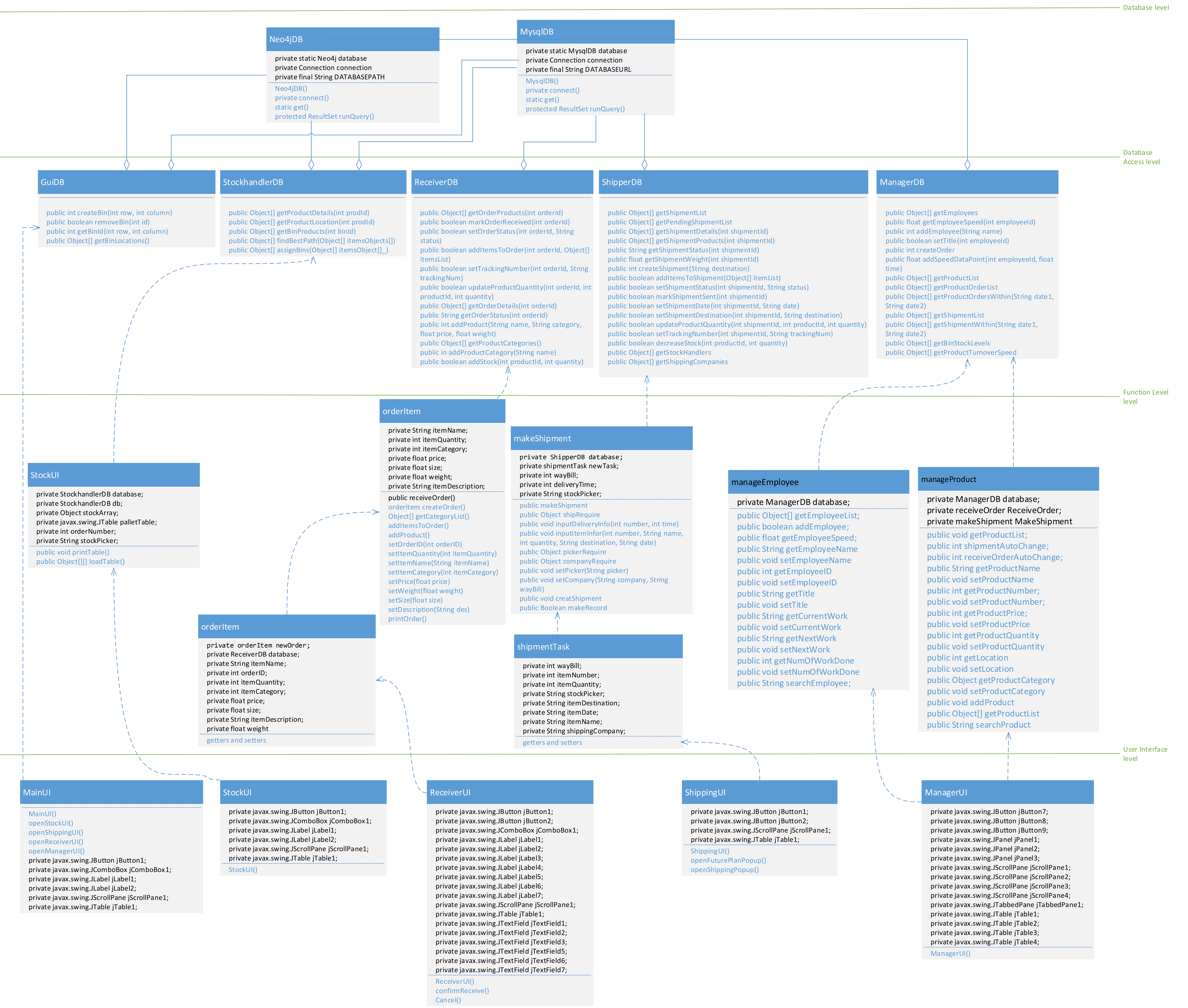

Neo4jDB

```
private static Neo4j database
private Connection connection
private final String DATABASEPATH
Neo4jDB()
private connect()
static get()
protected ResultSet runQuery()
```

MysqlDB

```
private static MysqlDB database
private Connection connection
private final String DATABASEURL
MysqlDB()
private connect()
static get()
protected ResultSet runQuery()
```

GuiDB

```
public int createBin(int row, int column)
public boolean removeBin(int id)
public int getBinId(int row, int column)
public Object[] getBinLocations()
```

StockhandlerDB

```
public Object[] getProductDetails(int prodId)
public Object[] getProductLocation(int prodId)
public Object[] getBinProducts(int binId)
public Object[] findBestPath(Object[] itemsObjects[])
public Object[] assignBins(Object[] itemsObject[]_)
```

ReceiverDB

```
public Object[] getOrderProducts(int orderId)
public boolean markOrderReceived(int orderId)
public boolean setOrderStatus(int orderId, String status)
public boolean addItemsToOrder(int orderId, Object[] itemsList)
public boolean setTrackingNumber(int orderId, String trackingNum)
public boolean updateProductQuantity(int orderId, int productId, int quantity)
public Object[] getOrderDetails(int orderId)
public String getOrderStatus(int orderId)
public int addProduct(String name, String category, float price, float weight)
public Object[] getProductCategories()
public in addProductCategory(String name)
public boolean addStock(int productId, int quantity)
```

ShipperDB

```
public Object[] getShipmentList
public Object[] getPendingShipmentList
public Object[] getShipmentDetails(int shipmentId)
public Object[] getShipmentProducts(int shipmentId)
public String getShipmentStatus(int shipmentId)
public float getShipmentWeight(int shipmentId)
public int createShipment(String destination)
public boolean addItemsToShipment(Object[] itemList)
public boolean setShipmentStatus(int shipmentId, String status)
public boolean markShipmentSent(int shipmentId)
public boolean setShipmentDate(int shipmentId, String date)
public boolean setShipmentDestination(int shipmentId, String destination)
public boolean updateProductQuantity(int shipmentId, int productId, int quantity)
public boolean setTrackingNumber(int shipmentId, String trackingNum)
public boolean decreaseStock(int productId, int quantity)
public Object[] getStockHandlers
public Object[] getShippingCompanies
```

ManagerDB

```
public Object[] getEmployees
public float getEmployeeSpeed(int employeeId)
public int addEmployee(String name)
public boolean setTitle(int employeeId)
public int createOrder
public float addSpeedDataPoint(int employeeId, float time)
public Object[] getProductList
public Object[] getProductOrderList
public Object[] getProductOrdersWithin(String date1, String date2)
public Object[] getShipmentList
public Object[] getShipmentWithin(String date1, String date2)
public Object[] getBinStockLevels
public Object[] getProductTurnoverSpeed
```

orderItem

```
private String itemName;
private int itemQuantity;
private int itemCategory;
private float price;
private float size;
private float weight;
private String itemDescription;
public receiveOrder()
orderItem createOrder()
Object[] getCategoryList()
addItemsToOrder()
addProduct()
setOrderID(int orderID)
setItemQuantity(int itemQuantity)
setItemName(String itemName)
setItemCategory(int itemCategory)
setPrice(float price)
setWeight(float weight)
setSize(float size)
setDescription(String des)
printOrder()
```

makeShipment

```
private ShipperDB database;
private shipmentTask newTask;
private int wayBill;
private int deliveryTime;
private String stockPicker;
public makeShipment
public Object shipRequire
public void inputDeliveryInfo(int number, int time)
public void inputItemInfor(int number, String name, int quantity, String destination, String date)
public Object pickerRequire
public Object companyRequire
public void setPicker(String picker)
public void setCompany(String company, String wayBill)
public void creatShipment
public Boolean makeRecord
```

StockUI

```
private StockhandlerDB database;
private StockhandlerDB db;
private Object stockArray;
private javax.swing.JTable palletTable;
private int orderNumber;
private String stockPicker;
public void printTable()
public Object[][] loadTable()
```

orderItem

```
private orderItem newOrder;
private ReceiverDB database;
private String itemName;
private int orderID;
private int itemQuantity;
private int itemCategory;
private float price;
private float size;
private String itemDescription;
private float weight
getters and setters
```

shipmentTask

```
private int wayBill;
private int itemNumber;
private int itemQuantity;
private String stockPicker;
private String itemDestination;
private String itemDate;
private String itemName;
private String shippingCompany;
getters and setters
```

manageEmployee

```
private ManagerDB database;
public Object[] getEmployeeList;
public boolean addEmployee;
public float getEmployeeSpeed;
public String getEmployeeName
public void setEmployeeName
public int getEmployeeID
public void setEmployeeID
public String getTitle
public void setTitle
public String getCurrentWork
public void setCurrentWork
public String getNextWork
public void setNextWork
public int getNumOfWorkDone
public void setNumOfWorkDone
public String searchEmployee;
```

manageProduct

```
private ManagerDB database;
private receiveOrder ReceiveOrder;
private makeShipment MakeShipment
public void getProductList;
public int shipmentAutoChange;
public int receiveOrderAutoChange;
public String getProductName
public void setProductName
public int getProductNumber;
public void setProductNumber;
public int getProductPrice;
public void setProductPrice
public int getProductQuantity
public void setProductQuantity
public int getLocation
public void setLocation
public Object getProductCategory
public void setProductCategory
public void addProduct
public Object[] getProductList
public String searchProduct
```

MainUI

```
MainUI()
openStockUI()
openShippingUI()
openReceiverUI()
openManagerUI()
private javax.swing.JButton jButton1;
private javax.swing.JComboBox jComboBox1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
```

StockUI

```
private javax.swing.JButton jButton1;
private javax.swing.JComboBox jComboBox1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
StockUI()
```

ReceiverUI

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox jComboBox1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
ReceiverUI()
confirmReceive()
Cancel()
```

ShippingUI

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
ShippingUI()
openFuturePlanPopup()
openShippingPopup()
```

ManagerUI

```
private javax.swing.JButton jButton7;
private javax.swing.JButton jButton8;
private javax.swing.JButton jButton9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JTabbedPane jTabbedPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTable jTable2;
private javax.swing.JTable jTable3;
private javax.swing.JTable jTable4;
ManagerUI()
```