



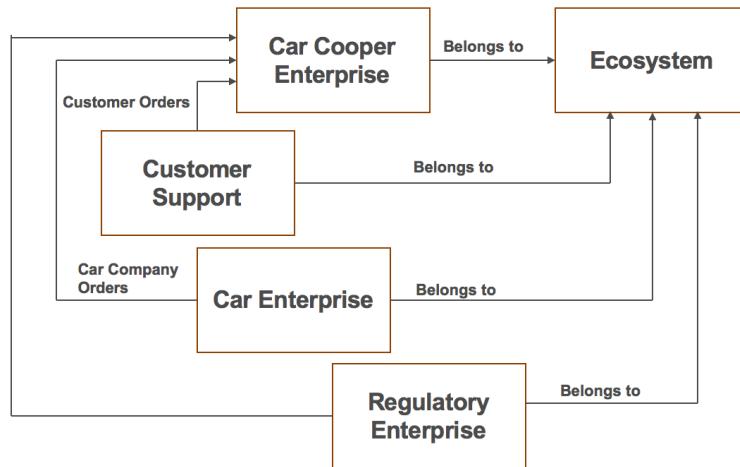
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Project Report

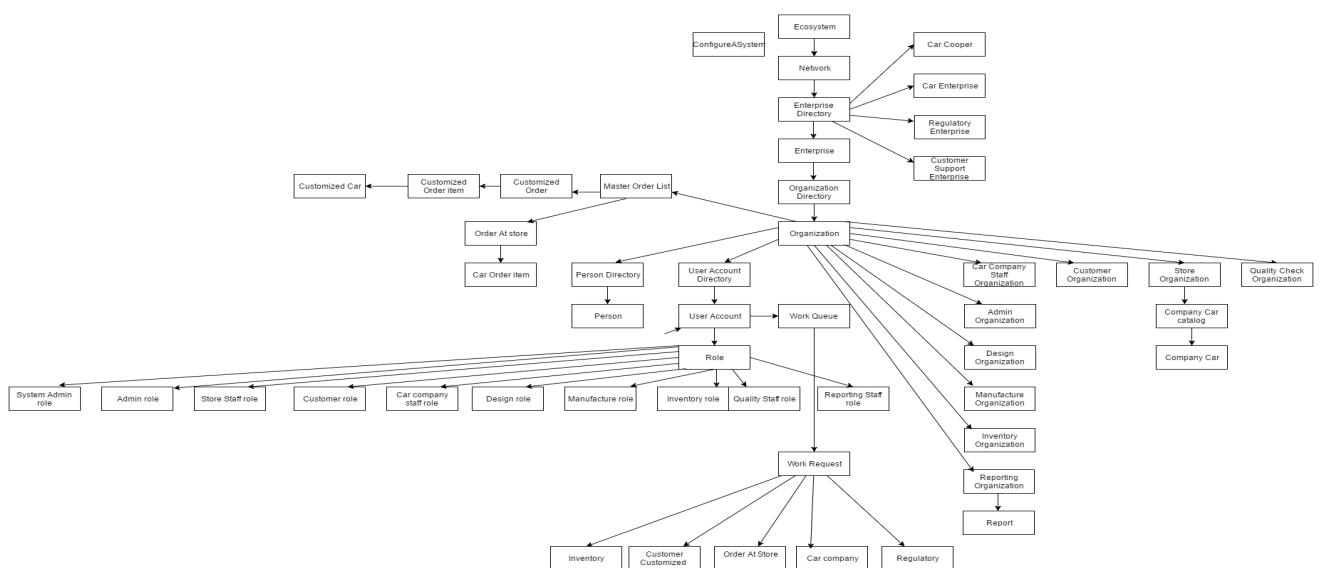
Application Engineering and Development

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Business Model

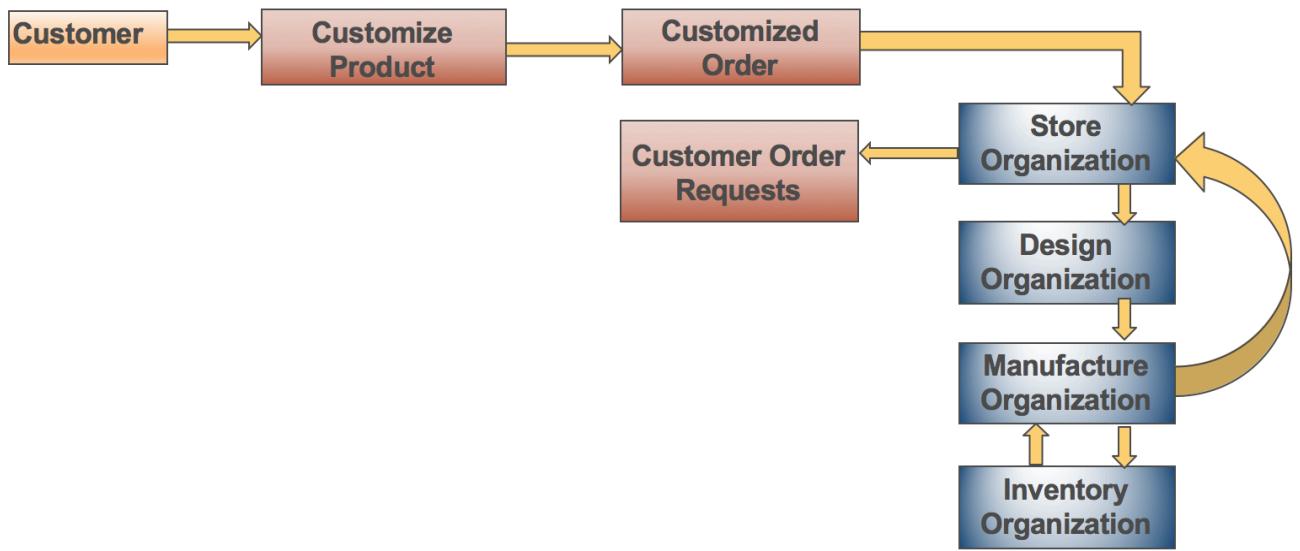


Object Model

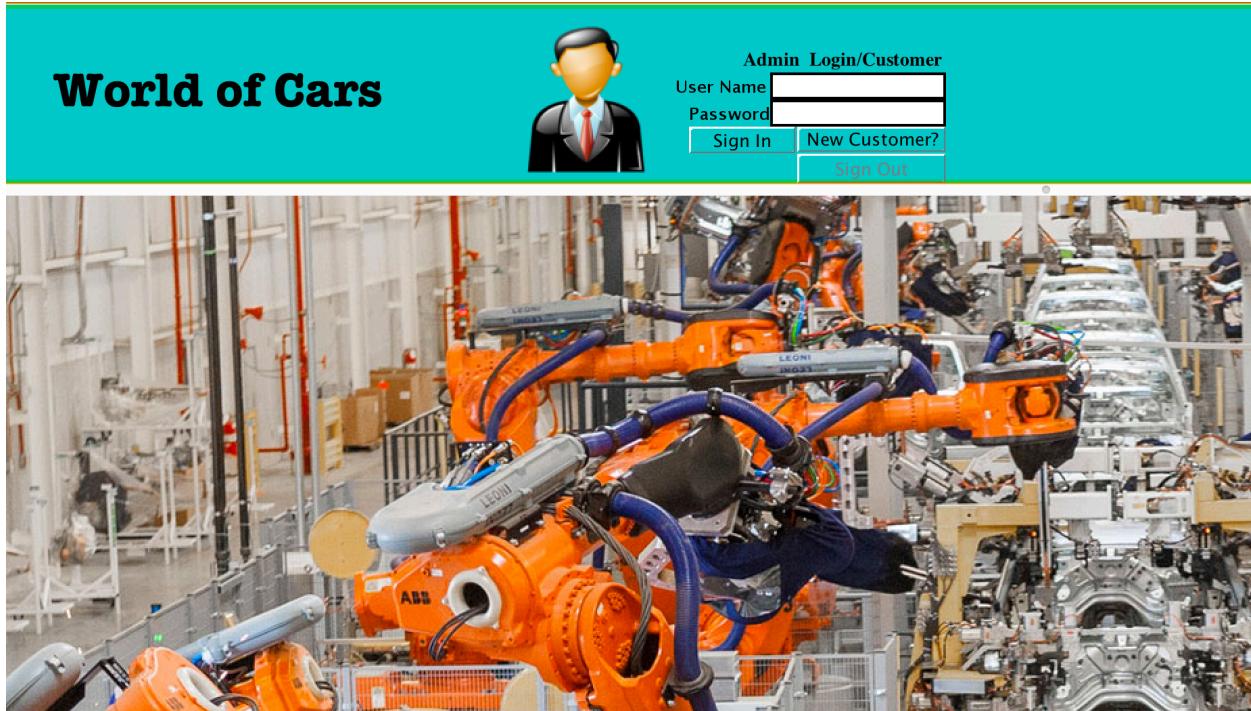


Flow Diagram

Customized Order Work Request and Inventory Work Request

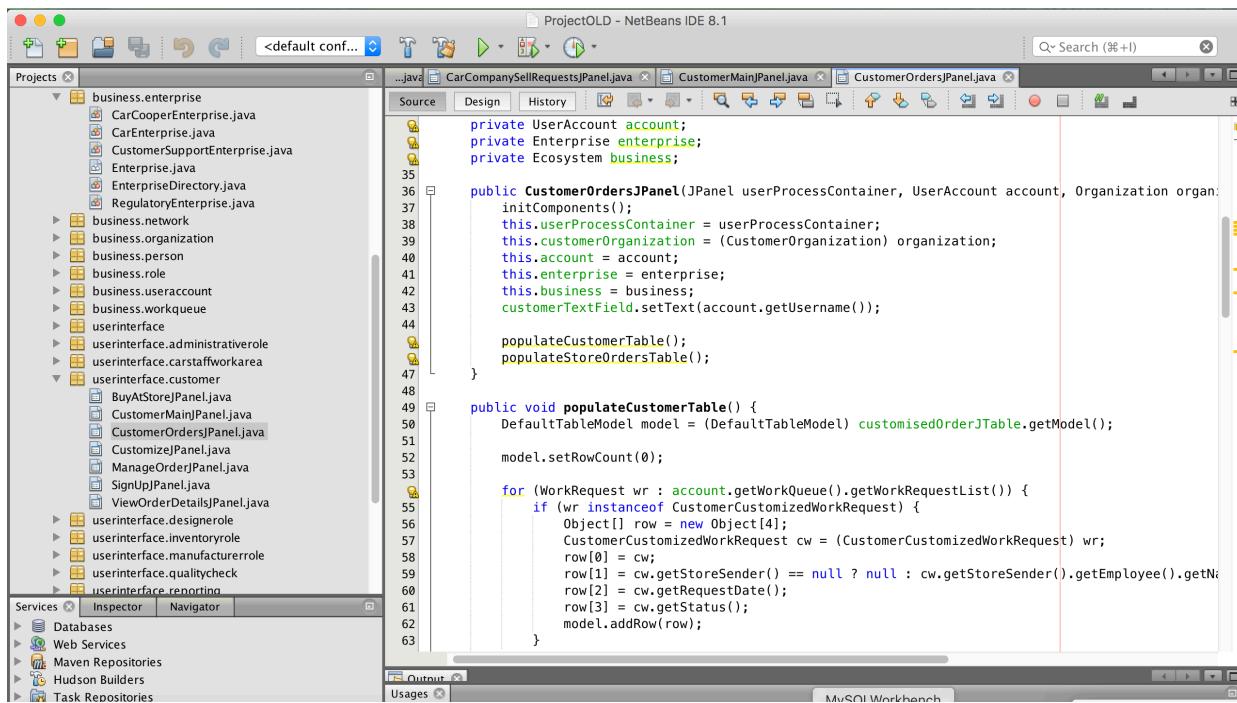
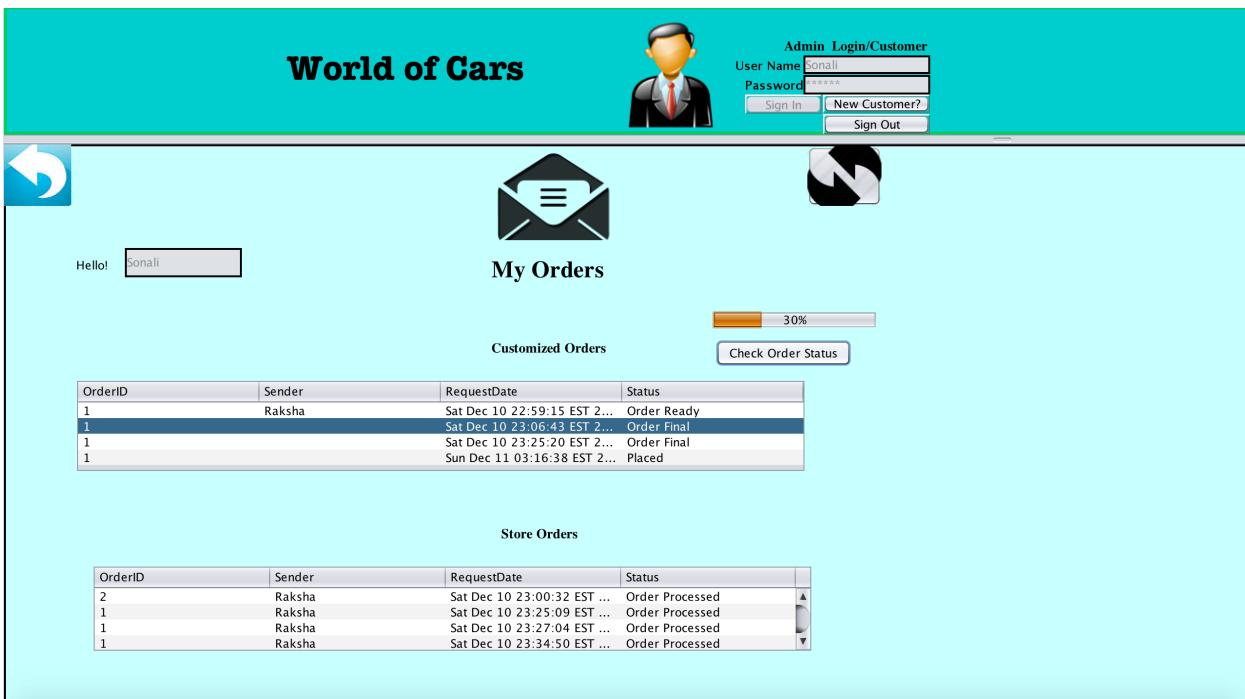


Login Screen

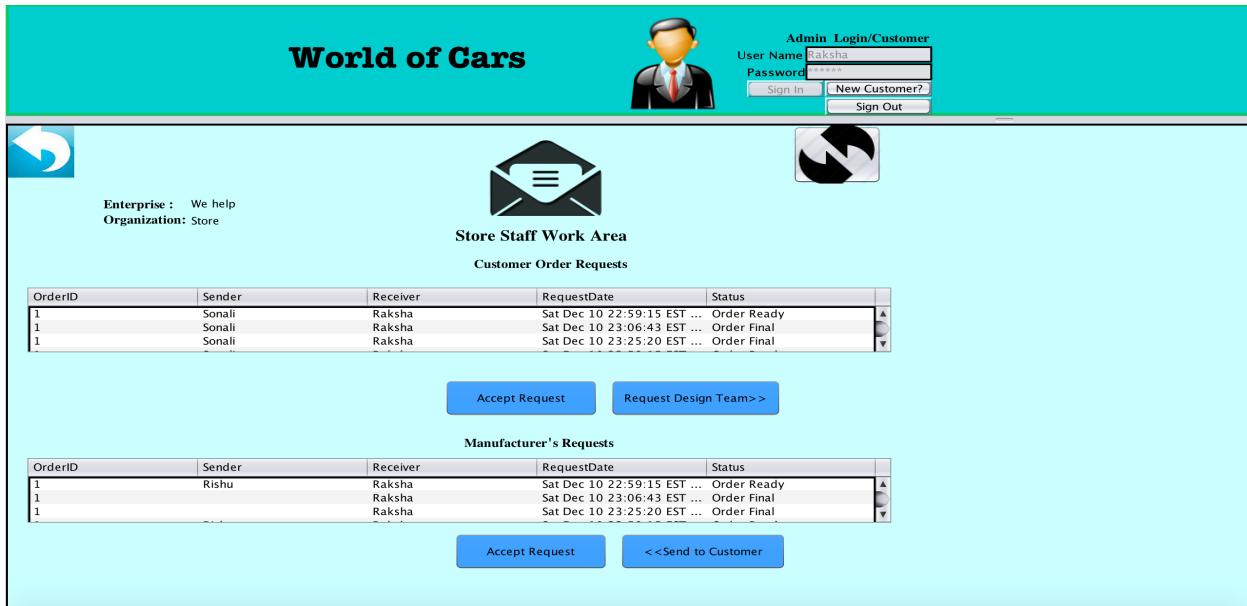


```
private void signInJButtonActionPerformed(java.awt.event.ActionEvent evt) {
    //Get username
    String userName = userNameTextField.getText();
    //Get Password
    char[] passwordCharArray = passwordField.getPassword();
    String password = String.valueOf(passwordCharArray);
    //Step1: Check in the system user account directory if you have the user
    UserAccount userAccount = system.getUserAccountDirectory().authenticateUser(userName, password);
    //System.out.println(userAccount.getUsername() + userAccount.getPassword());
    Enterprise inEnterprise = null;
    Organization inOrganization = null;
    if (userAccount == null) {
        //Step2: Go inside each network to check each enterprise
        for (Network network : system.getNetworkList()) {
            //Step 2-a: Check against each enterprise
            for (Enterprise enterprise : network.getEnterpriseDirectory().getEnterpriseList()) {
                userAccount = enterprise.getUserAccountDirectory().authenticateUser(userName, password);
                if (userAccount == null) {
                    //Step3: Check against each organization inside that enterprise
                    for (Organization organization : enterprise.getOrganizationDirectory().getOrganizationList()) {
                        userAccount = organization.getUserAccountDirectory().authenticateUser(userName, password);
                        if (userAccount != null)
                            {
                                // System.out.println(organization.getName() + enterprise.getName());
                                inEnterprise = enterprise;
                                inOrganization = organization;
                                break;
                            }
                }
            }
        }
    }
}
```

Customer's Orders Screen



Work requests Screen



NetBeans IDE 8.1 - ProjectOLD

```

public void populateCustomerWorkRequestTable() {
    DefaultTableModel model = (DefaultTableModel) customerWorkRequestJTable.getModel();
    model.setRowCount(0);

    for (WorkRequest wr : storeOrganization.getWorkQueue().getWorkRequestList()) {
        if (wr instanceof CustomerCustomizedWorkRequest) {
            Object[] row = new Object[5];
            CustomerCustomizedWorkRequest cw = (CustomerCustomizedWorkRequest) wr;
            row[0] = cw;
            row[1] = cw.getCustomerSender() == null ? null : cw.getCustomerSender().getEmployee();
            row[2] = cw.getStoreReceiver() == null ? null : cw.getStoreReceiver().getEmployee();
            row[3] = cw.getRequestDate();
            row[4] = cw.getStatus();
            model.addRow(row);
        }
    }
}

@SuppressWarnings("unchecked")

```