

Design Workflow

CSC 532

Louisiana Tech University

INTRODUCTION

- GOAL OF DESIGN WORKFLOW
- RESULTS
- DESIGN MODEL
- DEPLOYMENT MODEL

EXPANSIONS OF THE ANALYSIS MODEL

- MOSTLY PHYSICAL
- MORE DETAILED
- SHOWS THE DECISIONS

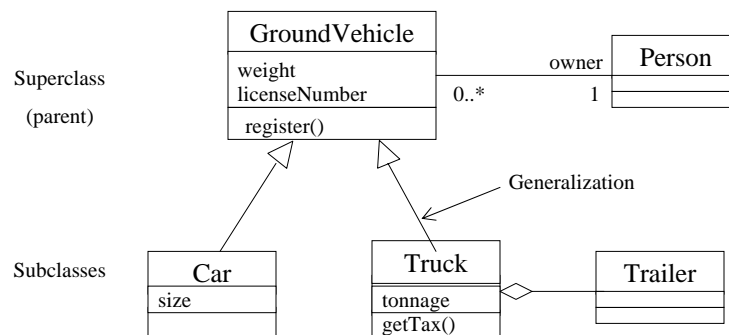
ARTIFACTS

- CLASS DESIGN
- USE CASE REALIZATION-DESIGN
- SUBSYSTEM DESIGN
- DESIGN MODEL
- DEPLOYMENT MODEL

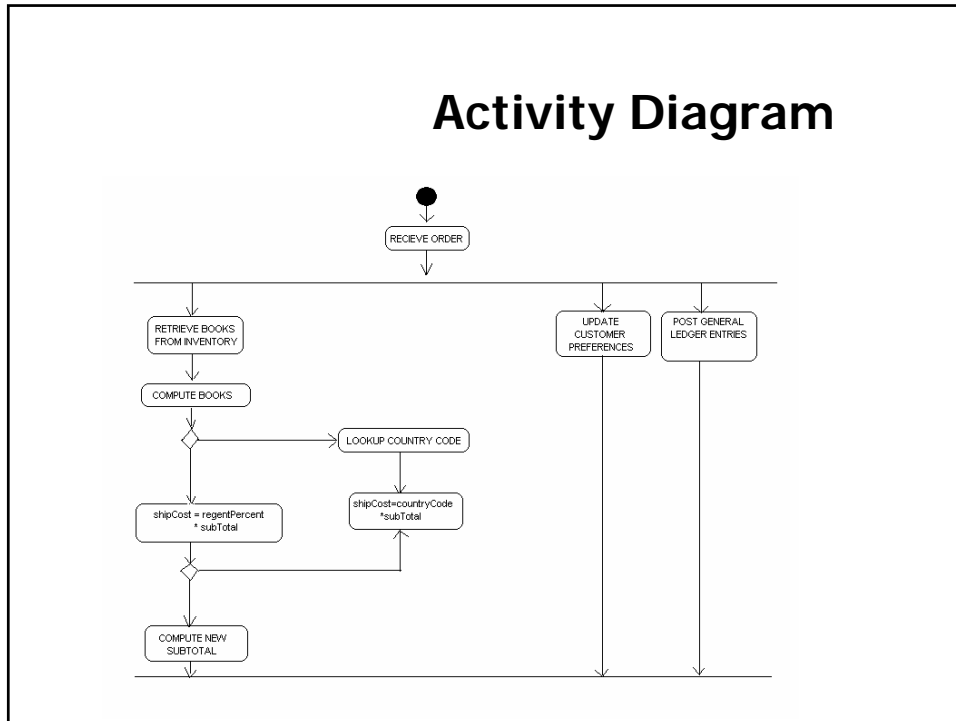
CLASS DESIGN

- CONTAINS FULL SET OF ATTRIBUTES and perhaps with relationships
- EXPRESSED IN PROGRAMMING LANGUAGES
- ACTIVITY DIAGRAM
- STATECHART DIAGRAM

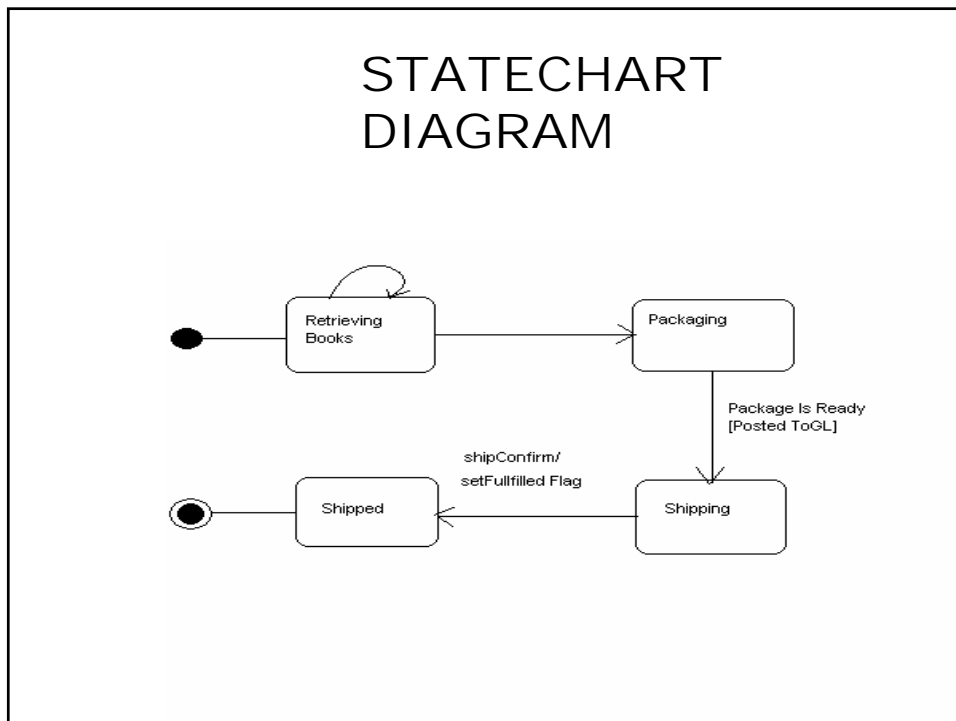
Example: class diagram



Activity Diagram



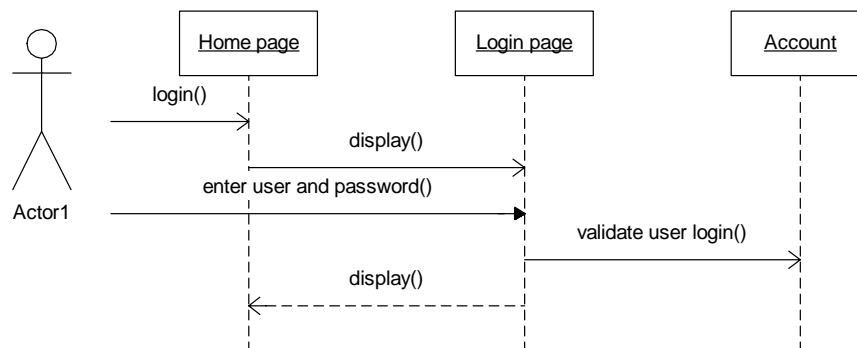
STATECHART DIAGRAM



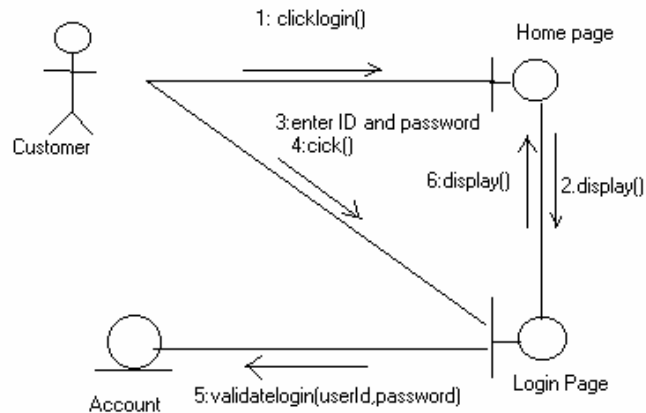
Use Case Realization-Design

- Sequence diagram
- Collaboration diagram

Sequence DIAGRAM



COLLABORATION DIAGRAM



Artifacts Contd.

- Design subsystem
- Design model
- Deployment model
- Design package

WORKERS

- Architect
- Use case engineer
- Component engineer

ACTIVITIES

- Perform architectural design
- Design a use case
- Design a class
- Design a subsystem

Design Workflow Activities

