*Corporate Technology Center

By: Thomas Boucher

* Five years ago, Megan Thomas was a busy executive seeking to keep herself and her employees' current with new technology.

* She realized that many small companies were facing the same dilemma. Using her life savings and money from investors, Megan founded Corporate Technology Center (CTC).

* Background of project

* Corporate Technology Center's primary objective is to offer technology update seminars to local business executives and their employees.

* A wide variety of seminars is offered, including ones covering operating systems, spreadsheets, word processing, database management, Internet, Web page design, and telecommunications.

* Background cont.

*Although Corporate Technology Center offers seminars at its own campus, it also provides on-site training for local companies. One-day, two-day, or four-day seminars are offered.

* Courses are open to a minimum of twenty students and a maximum of forty students. Although several staff members are capable of teaching any given course, generally only one staff member teaches a given course on a given date.
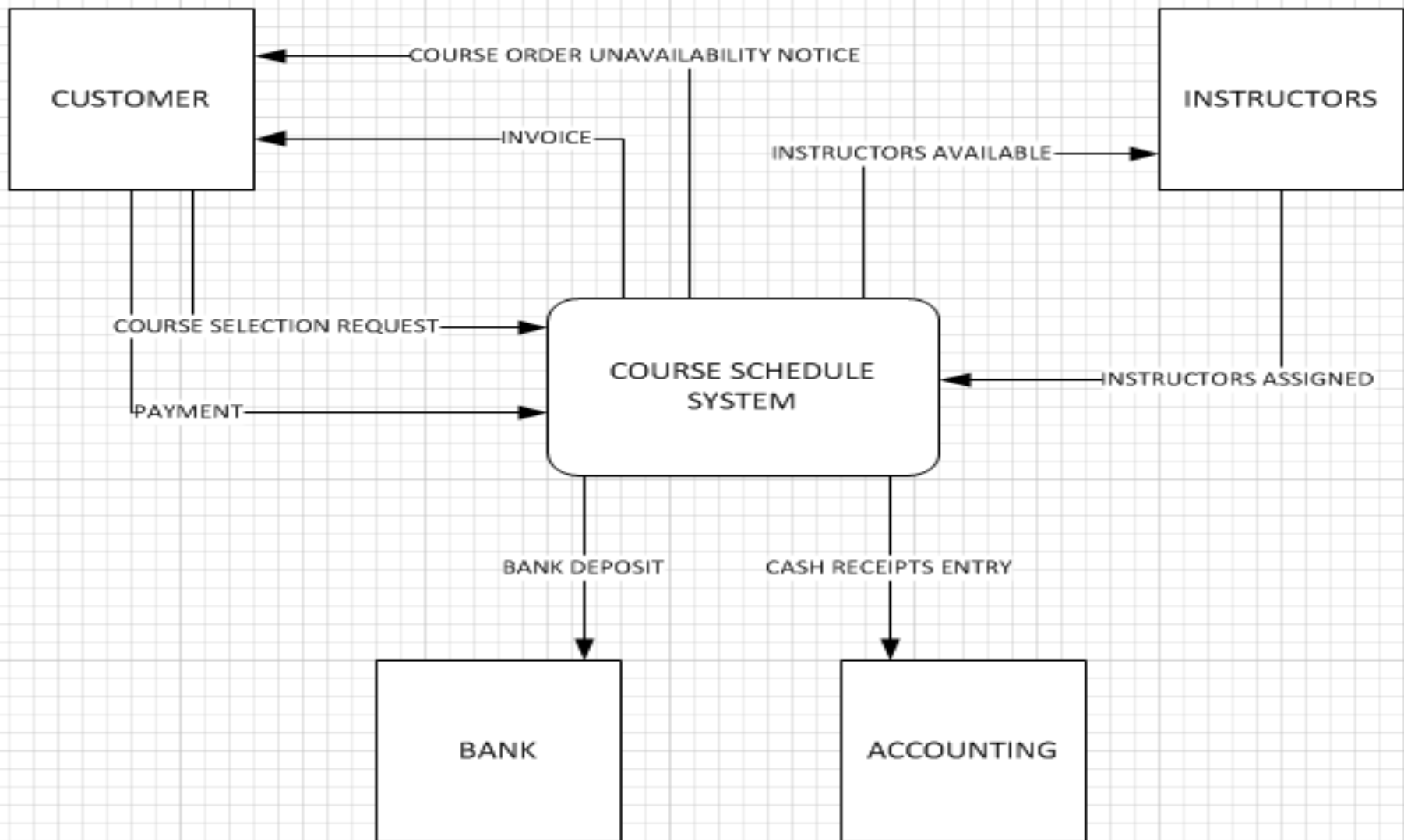
*Background cont.

* Technology growth overall has caused a greater volume of work for the company as a whole. This volume of work has greatly increased the volume and complexity of the courses needed to be offered.

* We currently offer a designated number of each course to fulfill our customer's needs. This course system has many problems as follows:
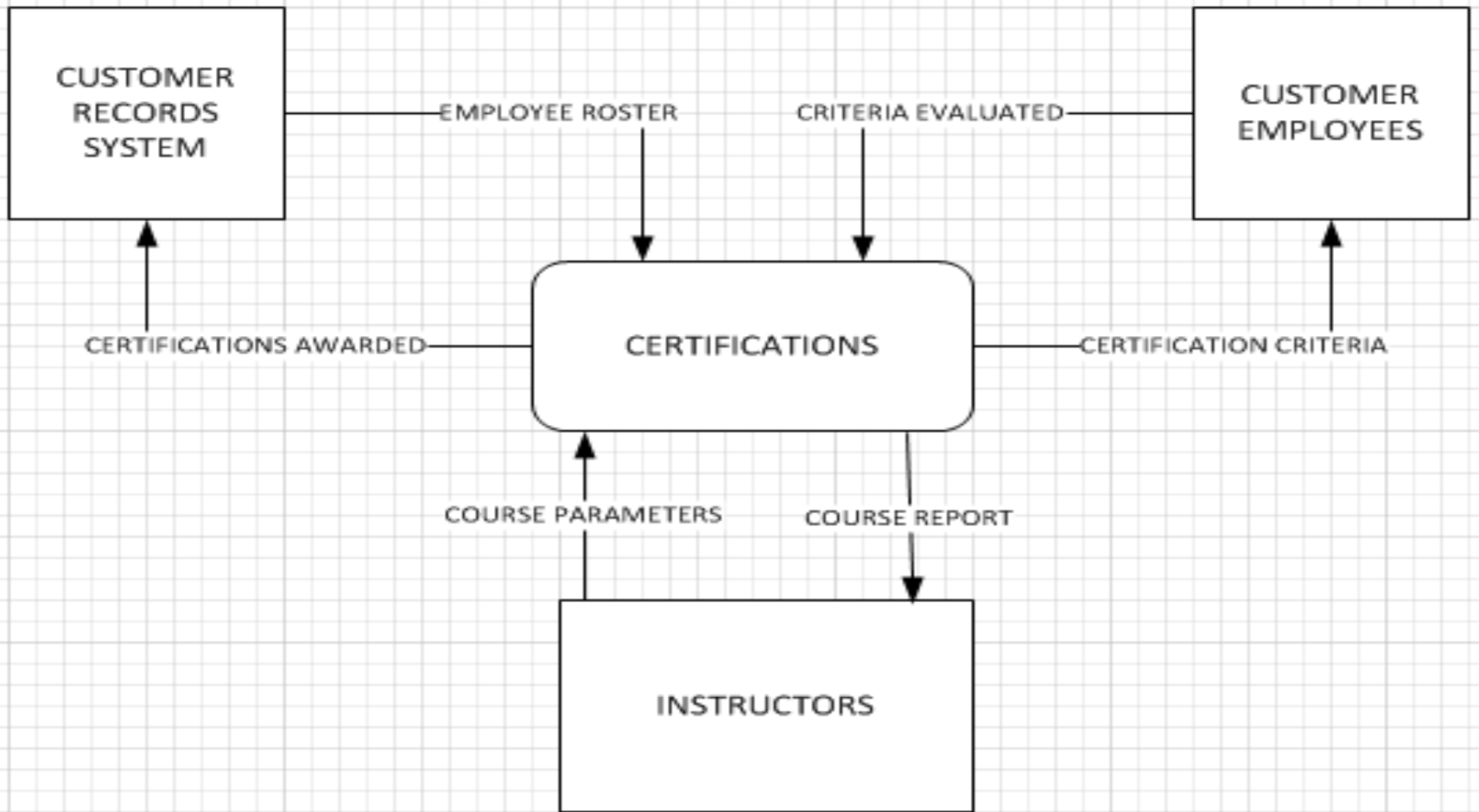
*Project Overview

* We are slow to update the courses to adapt to the newer technology being available or used by various companies

* Some smaller companies are slow to change and update their own technology which leads to a problematic cost-benefit ratio for courses offered.

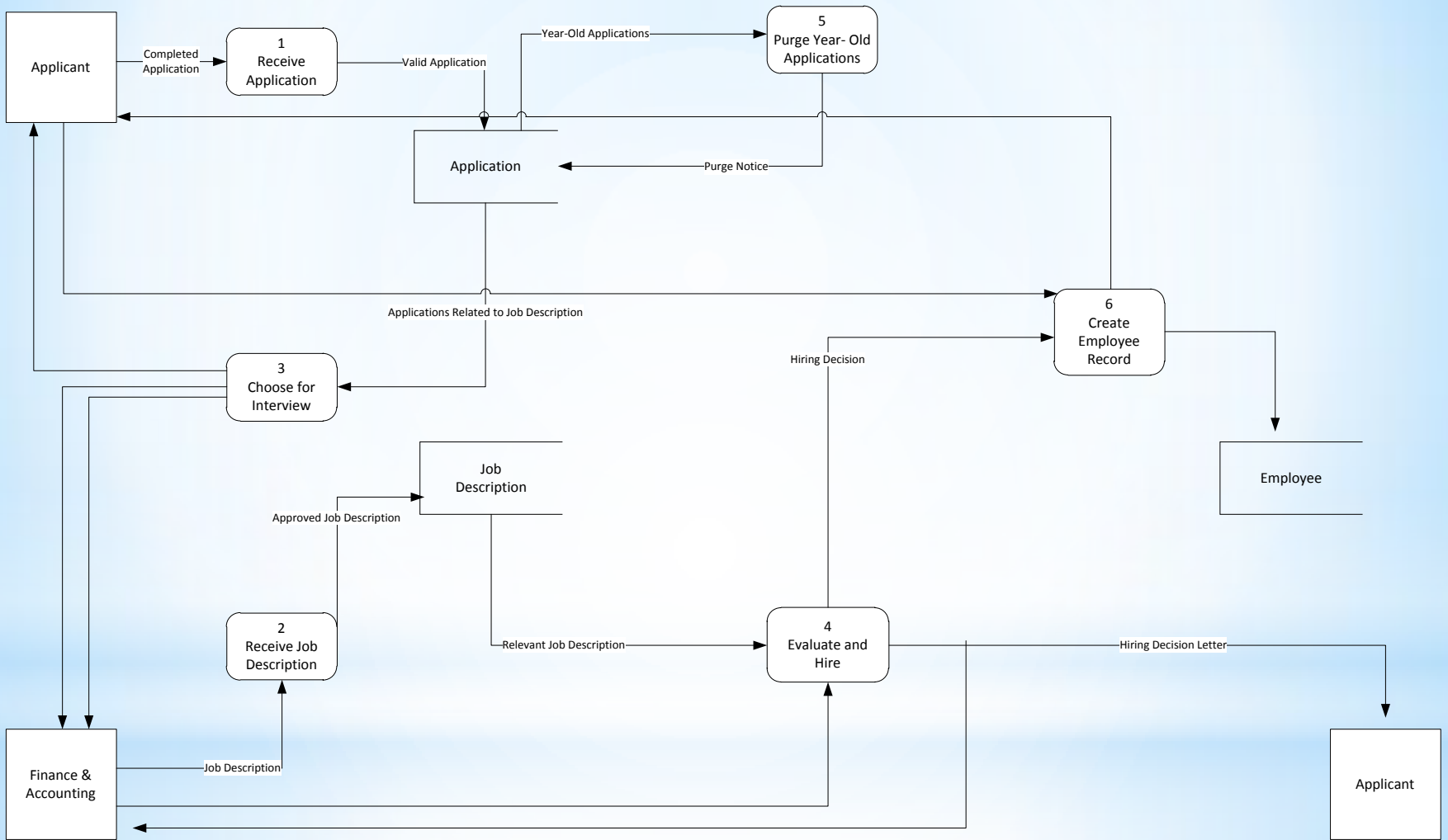* There is a cross problem between to the two previously listed issues
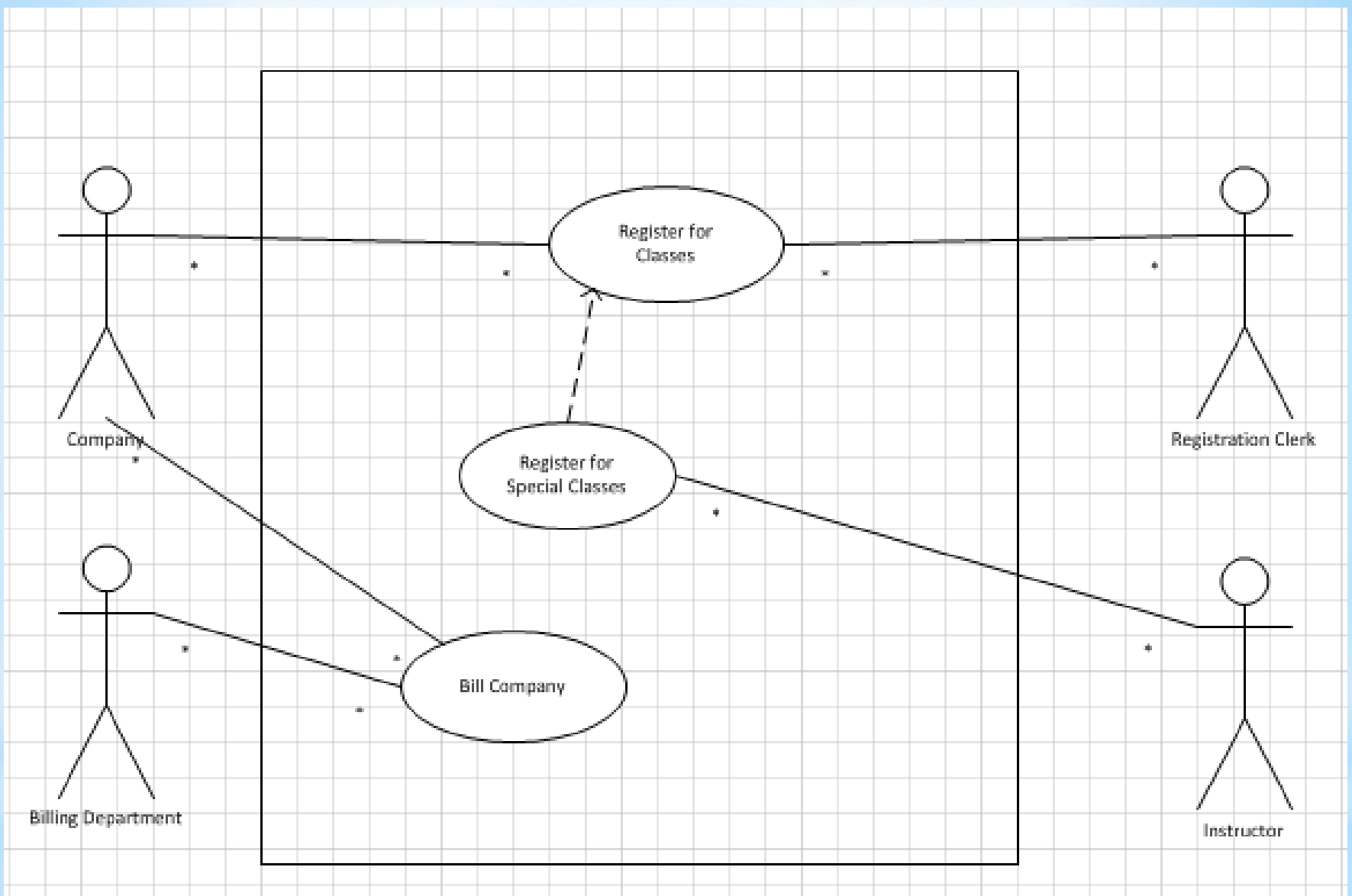
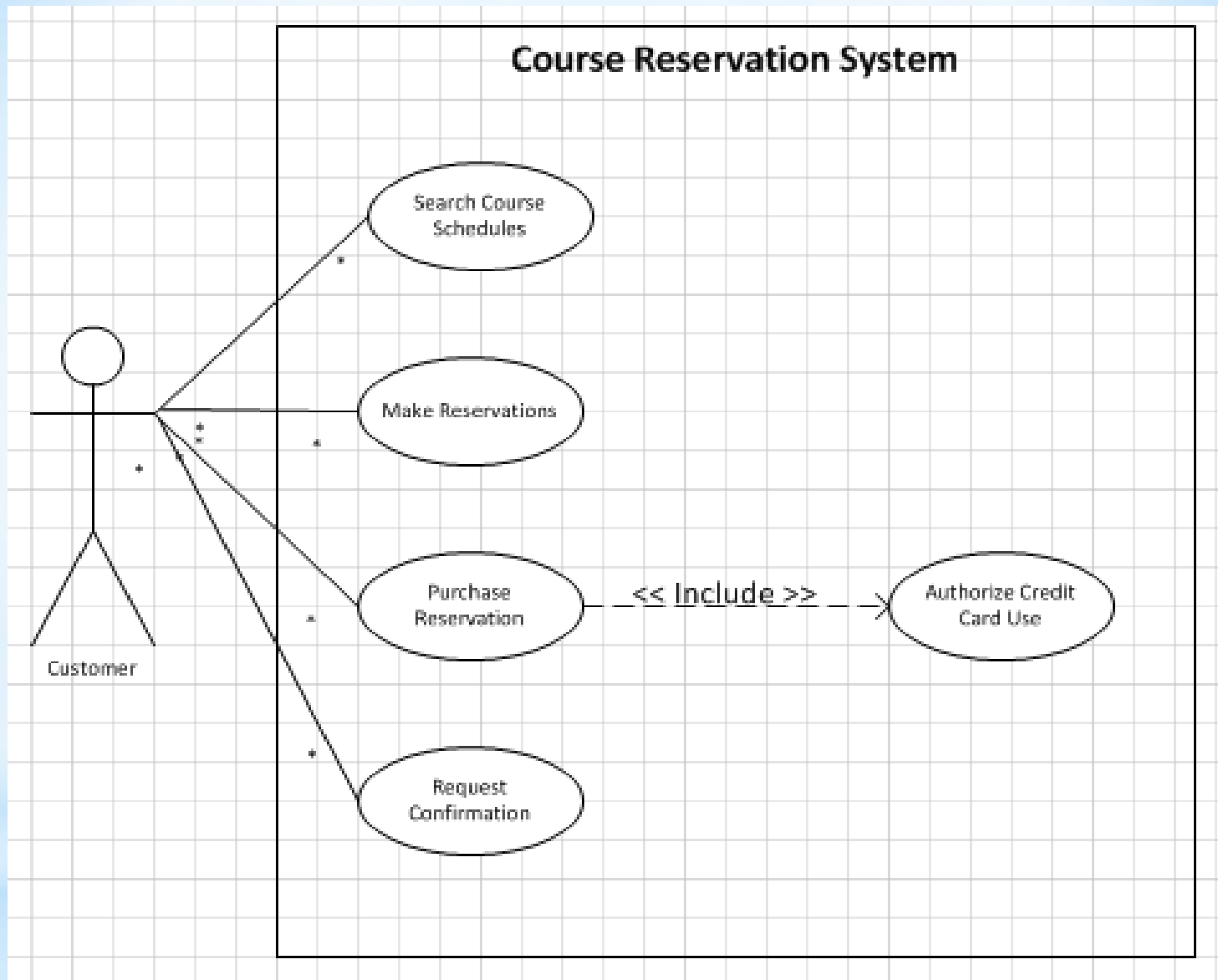* Project cont.

* Contexts Diagrams

* Context Diagrams cont.

Level-0 Diagram

Applicant

Completed Application → **1 Receive Application** → Valid Application

Year-Old Applications → **5 Purge Year- Old Applications**

Application ← Purge Notice

Applications Related to Job Description

3 Choose for Interview

6 Create Employee Record

Employee

Job Description

Approved Job Description

2 Receive Job Description

Relevant Job Description

4 Evaluate and Hire

Hiring Decision

Hiring Decision Letter

Finance & Accounting

Job Description

Applicant

*Use Case Diagrams

Use Case Diagrams cont.