

Project: Gas Station Pump

CS/SE 6329.001, Spring 2016

Overview: The application is a control system for a gas station pump. The software will control all aspects of the pump's function: Validating the credit/debit card (if one is being used), allowing the customer to select the grade of gasoline, calculating and displaying the running total and amount of gas pumped, and presenting the total (including taxes) to the user.



The mechanism that controls the flow of the gas through the nozzle is assumed to be mechanical and is not controlled by this application; the application simply keeps track of the amount of gas that has been pumped. The pump will also print a receipt and log the sale following completion.

Deliverables: The following deliverables are required for this project. All deliverables will be submitted on eLearning before midnight of the date listed, with the exception of the in-class demos:

Date	Deliverables
February 14	<ol style="list-style-type: none">1. Domain Model2. Use Case Diagram (UCD) with brief description for each use case3. Prioritized list of Use Cases (UCs)
February 28	<ol style="list-style-type: none">1. Updated Deliverables2. Main UC in fully dressed format3. Supplementary Specification
March 13	<ol style="list-style-type: none">1. Updated Deliverables3. System Sequence Diagram4. Operation Contracts
April 10	<ol style="list-style-type: none">1. Updated Deliverables2. Logical Architecture3. Use Case Realizations4. Design Class Diagram
April 25 - 29	Demo for TA