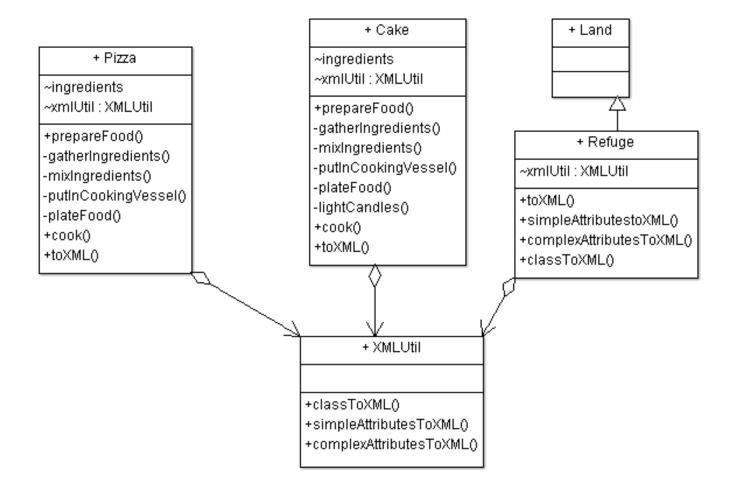
Design Patterns

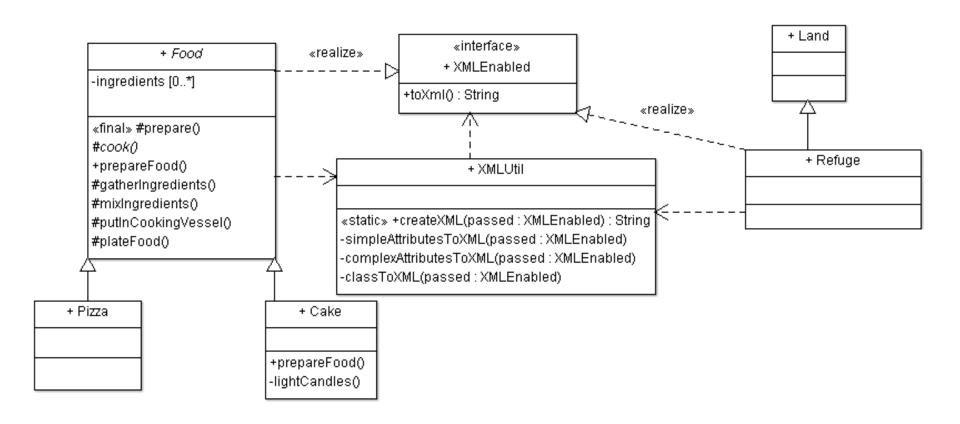
Design patterns:
Designing generic components
Examples

Dr. Chad Williams
Central Connecticut State University

Group Work Original UML



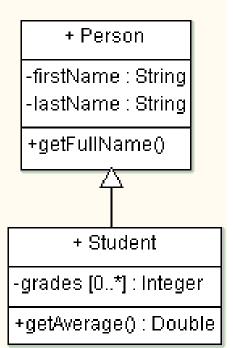
Group Work Refactored UML



Refactoring example 2 - original

- + ProgrammingAssignment
- -documentationGrades [0..*] : Integer
- -functionalityGrades [0..*] : Integer
- -assignmentName : String
- +getAverage() : Double
- -qetGrades()
- ~getAssignmentName(): String

- + WrittenAssignment
- -grades [0..*] : Integer
- -assignmentName: String
- +getAverage() : Double
- ~getAssignmentName() : String



Refactoring example 2 - refactored

