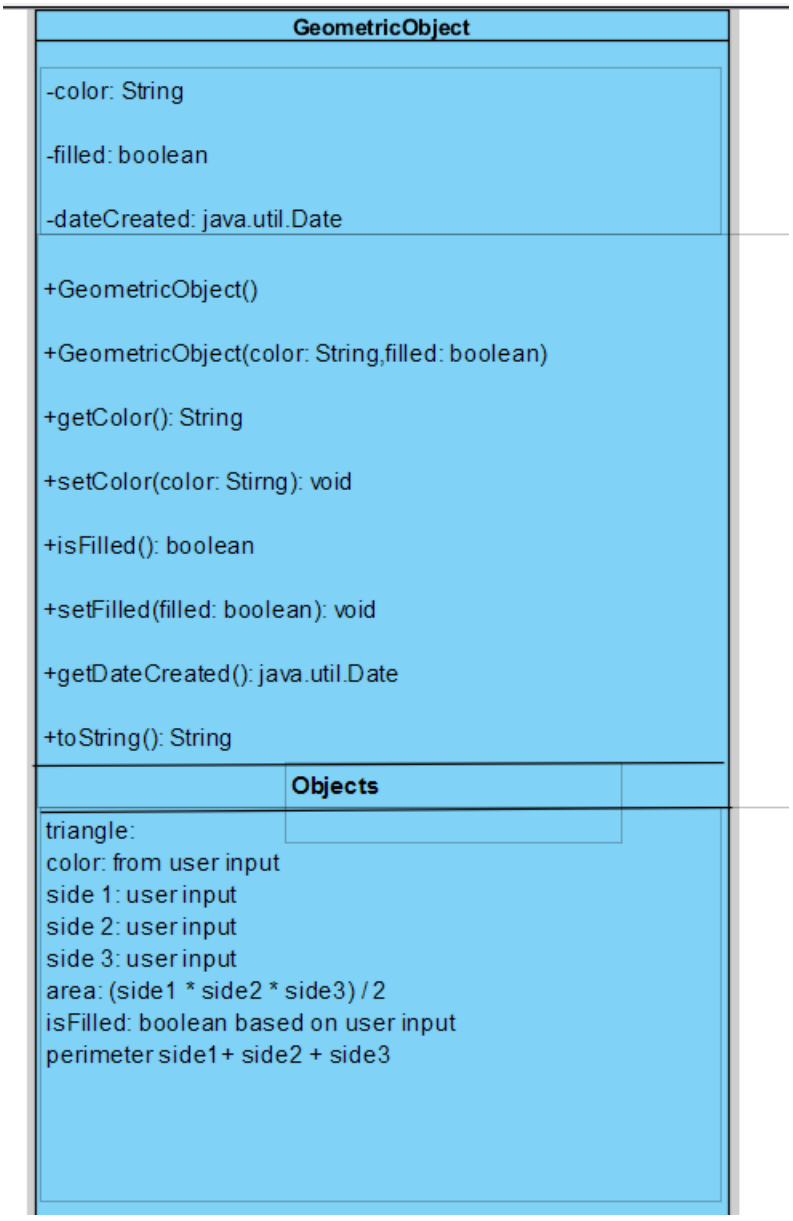
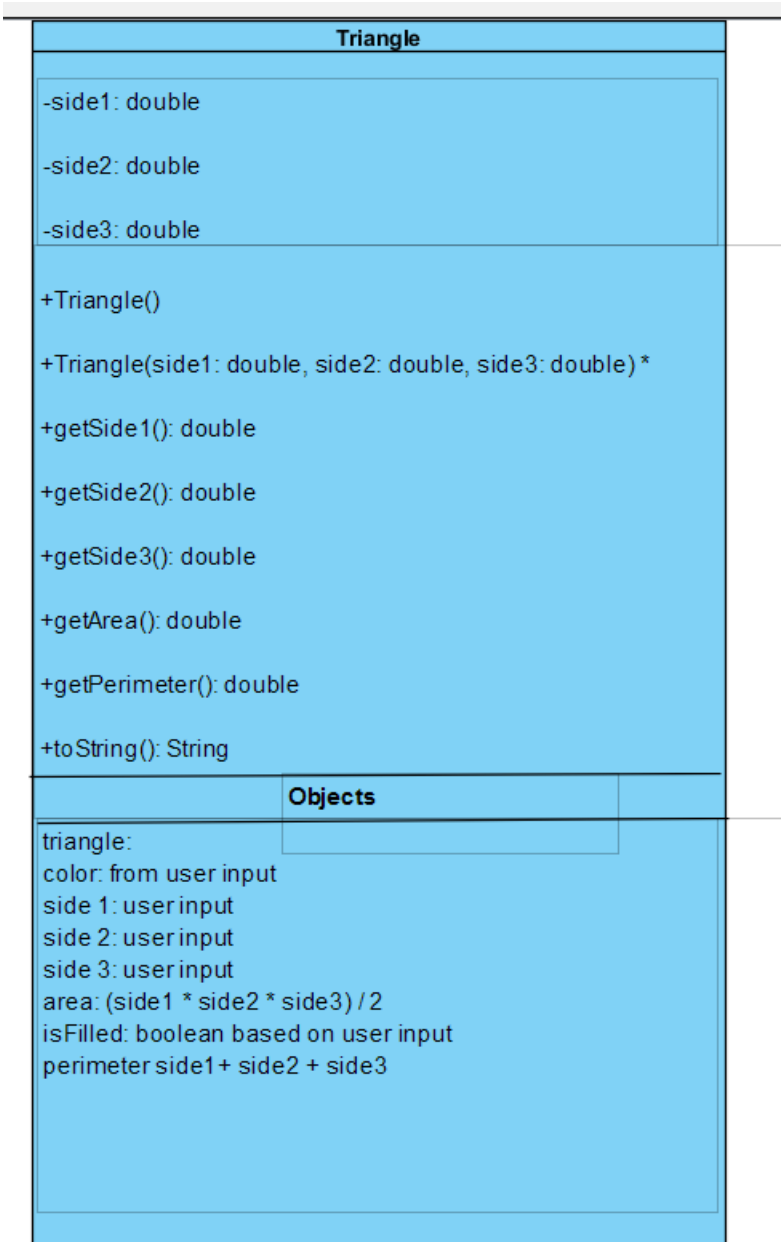
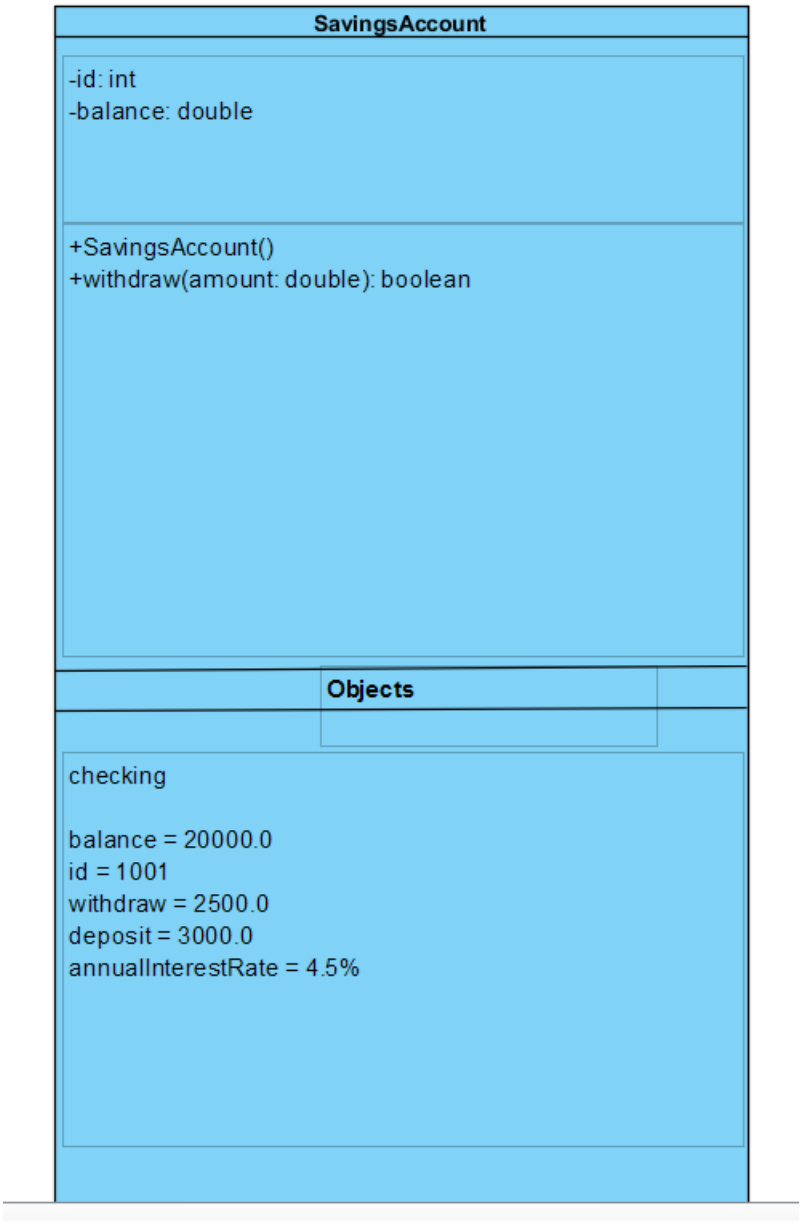
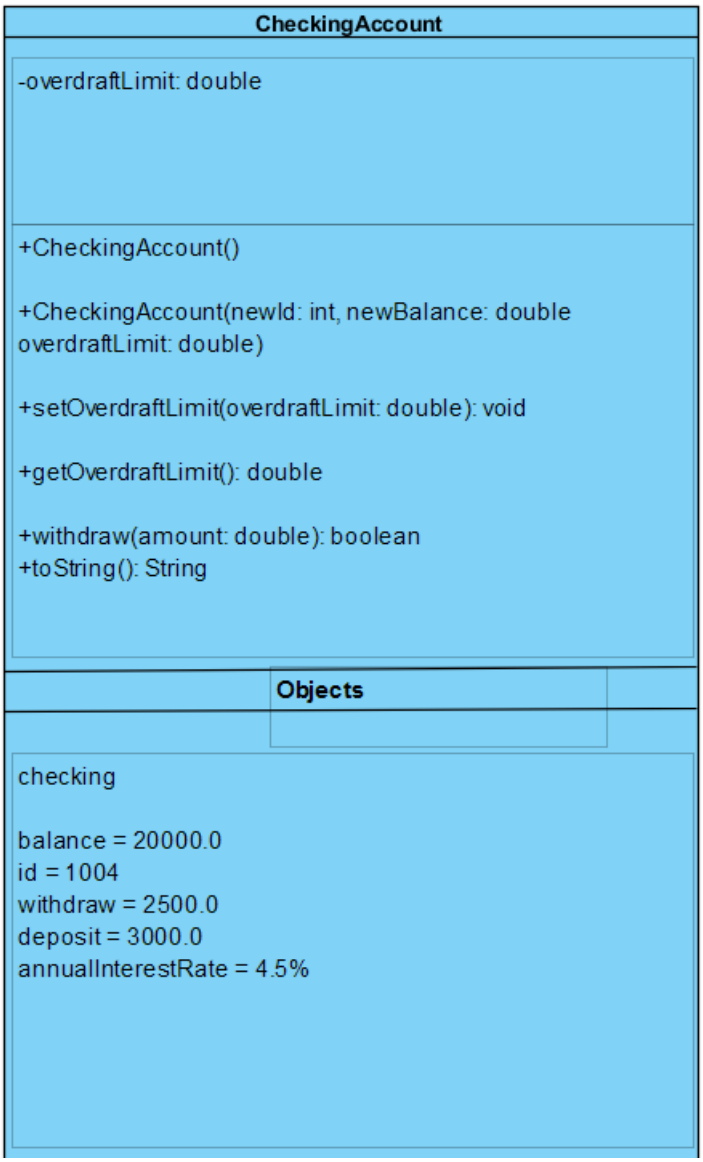
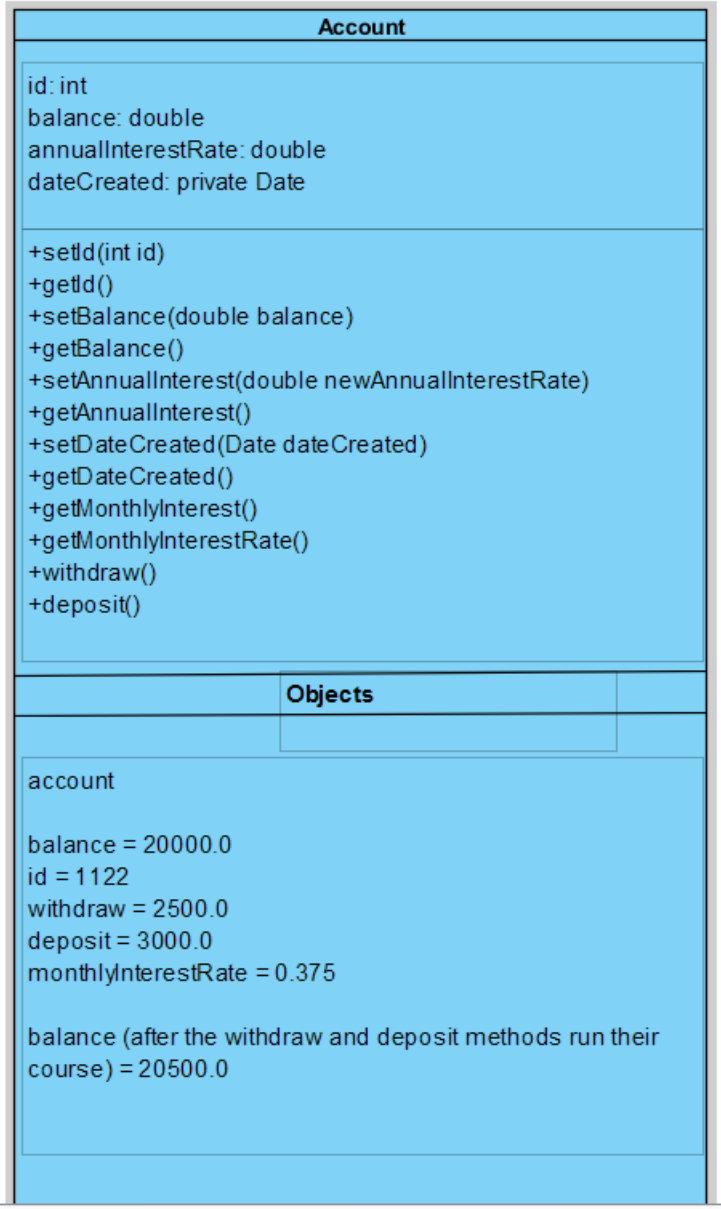
Joseph Weiner
CMPT220L-112-17S
Professor Juan Arias

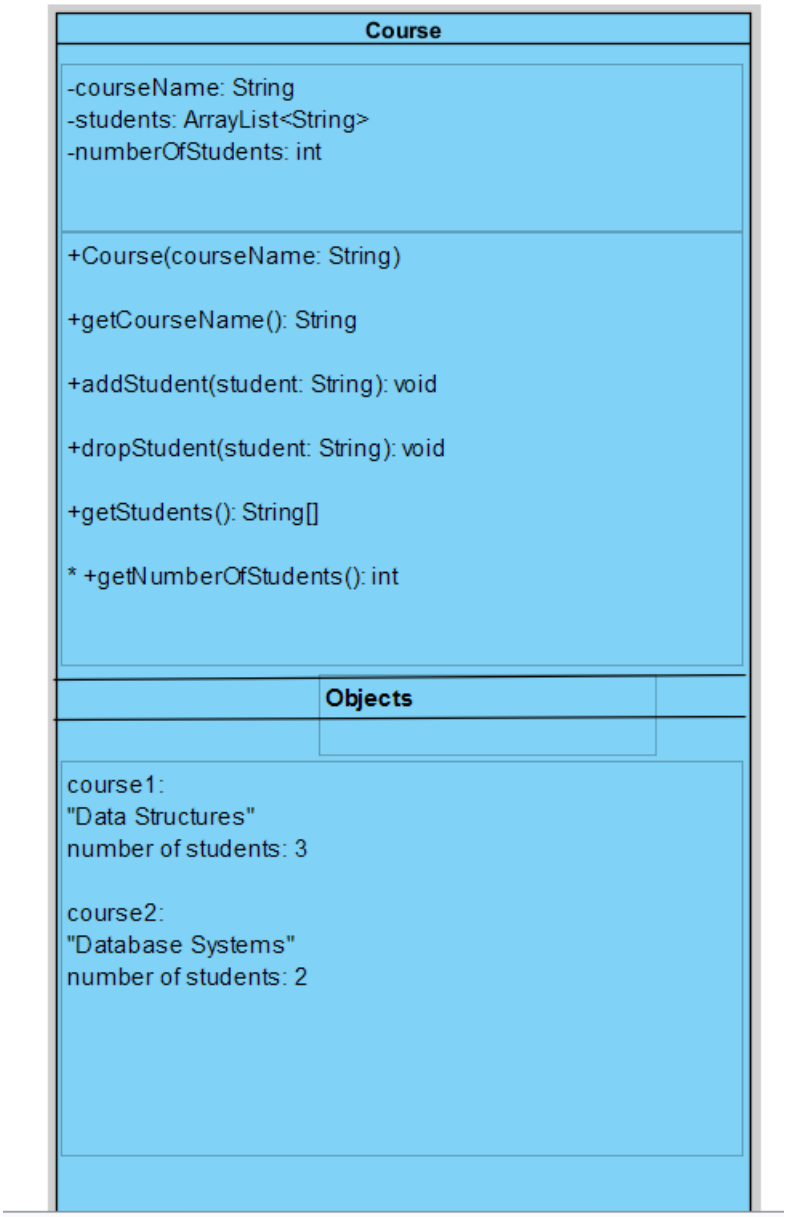



Triangle
-side1: double
-side2: double
-side3: double
+Triangle()
+Triangle(side1: double, side2: double, side3: double) *
+getSide1(): double
+getSide2(): double
+getSide3(): double
+getArea(): double
+getPerimeter(): double
+toString(): String
Objects
triangle:
color: from user input
side 1: user input
side 2: user input
side 3: user input
area: (side1 * side2 * side3) / 2
isFilled: boolean based on user input
perimeter side1+ side2 + side3


SavingsAccount
-id: int
-balance: double
+SavingsAccount()
+withdraw(amount: double): boolean
Objects
checking
balance = 20000.0
id = 1001
withdraw = 2500.0
deposit = 3000.0
annualInterestRate = 4.5%


CheckingAccount
-overdraftLimit: double
+CheckingAccount()
+CheckingAccount(newId: int, newBalance: double
overdraftLimit: double)
+setOverdraftLimit(overdraftLimit: double): void
+getOverdraftLimit(): double
+withdraw(amount: double): boolean
+toString(): String
Objects
checking
balance = 20000.0
id = 1004
withdraw = 2500.0
deposit = 3000.0
annualInterestRate = 4.5%


Account
id: int
balance: double
annualInterestRate: double
dateCreated: private Date
+setId(int id)
+getId()
+setBalance(double balance)
+getBalance()
+setAnnualInterest(double newAnnualInterestRate)
+getAnnualInterest()
+setDateCreated(Date dateCreated)
+getDateCreated()
+getMonthlyInterest()
+getMonthlyInterestRate()
+withdraw()
+deposit()
Objects
account
balance = 20000.0
id = 1122
withdraw = 2500.0
deposit = 3000.0
monthlyInterestRate = 0.375
balance (after the withdraw and deposit methods run their course) = 20500.0


Course
-courseName: String
-students: ArrayList<String>
-numberOfStudents: int
+Course(courseName: String)
+getCourseName(): String
+addStudent(student: String): void
+dropStudent(student: String): void
+getStudents(): String[]
* +getNumberOfStudents(): int
Objects
course1:
"Data Structures"
number of students: 3
course2:
"Database Systems"
number of students: 2