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5/15/15

Period 4

Ch 11 UML Diagrams

*Project 11.1*

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| --- |
| GeometricObject |
| -color: String  -filled: boolean  -dateCreated: java.util.Date |
| +GeometricObject()  +GeometricObject(color: String, filled: boolean)  +getColor: String  +setColor(color: String): void  +isFilled: boolean  +setFilled(filled: boolean): void  +getDateCreated: java.util.Date  +toString: String |

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| --- |
| 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 |

*Project 11.3*

|  |
| --- |
| Account |
| -dateCreated: java.util.Date  -id: int  -balance: double  -annualInterestRate: double |
| +Account()  +Account(newId: int, newBalance: double)  +getId(): int  +getBalance(): double  +getAnnualInterestRate(): double  +setId(newId: int): void  +setBalance(newBalance: double): void  +setAnnualInterestRate(newAnnualInterestRate: double): void  +getDateCreated: java.util.Date  +getMonthlyInterestRate: double  +getMonthlyInterest: double  +withdraw(amountWithdrawn: double): void  +deposit(amountDeposited: double): void  +toString(): String |

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| --- | --- |
| CheckingAccount | SavingsAccount |
| -overdraftAmount: double |  |
| +CheckingAccount()  +CheckingAccount(newId: int, newBalance: double)  +setOverdraftAmount(overdraftAmount: double): void  +withdraw(amountWithdrawn: double): void  +toString: String | +SavingsAccount()  +SavingsAccount(newId: int, newBalance: double)  +withdraw(amountWithdrawn: double): void  +toString: String |