#### Ticket

- genPrice: Double - bronzePrice: Double - silverPrice: Double

- goldPrice: Double - vipPrice: Double

- vipPct: Double

- goldPct: Double

- silverPct: Double - bronzePct: Double - GAPct: Double

- reservedPct: Double

+setGenPrice(gPriceIn : double): void

+getGenPrice(): double

+setBronzePrice(broPriceIn : double): void

+getBronzePrice(): double

+setSilverPrice(silPriceIn : double): void

+getSilverPrice(): double

+setGoldPrice(goldPriceIn : double): void +getGoldPrice(): double

+setVipPrice(vPriceIn : double): void

+getVipPrice(): double

+setVipPct(vPctIn : double): void +getVipPctPrice(): double

+setGoldPct(goldIn : double): void

+getGoldPrice(): double

+setSilPct(SilPctIn : double): void +getSilPctPrice(): double

+setBroPct(broPctIn : double): void

+getBroPctPrice(): double

+setGAPct(GAPctIn : double): void +getGAPctPrice(): double

+setResPct(resPctIn : double): void

+getResPctPrice(): double

### Customer

- ID: Int

- firstName: String

- lastName: String - monevAvailable: Double

- concertsPurchased: Int

- ticketMinerMembership: Boolean

- username: String

- password: String

+setCustID(cIDIn: Int): void

+getCustID(): Int

+setFName(FNameIn: String): void +getFName(): Int

+setLName(LNameIn: String): void

+getLName(): String

+setMoneyAvailable(moneyIn : Double):

+getMoneyAvailable(): Double

+setConcertsPurch(moneyIn: Int): void

+getConcertsPurch(): Int

+setTMMembership(TMIn : boolean): void

+getTMMembership(): boolean +setUsername(usernameIn: String): void

+getUsername(): String

+setPassword(passwordIn: String): void

+getPassword(): String

# TicketMiner class diagram

### Event

- ID: Int

 type: String - name: String

- date: String - time: String

+setID(IDIn : Int): void

+getID(): Int

+setType(typeIn: String): void

+getType(): String

+setName(nameIn: String): void

+getName(): String +setDate(dateIn: String): void

+getDate(): String

+setTime(timeIn: String): void

+getTime(): String

# {Abstract} Venue

- venueName: String

- pctUnavaibleSeats: Double

- venueType: String

+setVenueName(vNameIn: String):

Sport

+setVenueName(vNameIn: String):

+setVenueCap(vCapIn: Int): void

+setVenueCost(vCostIn: Int): void

+getVenueName(): String

+getVenueCap(): Int

+getVenueCost(): Int

-venueName: String

-venueCapacity: Int -venueCost: Int

> +getVenueName(): String +setVenueCap(vCapIn: Int): void

+getVenueCap(): Int

-setVenueCost(vCostIn: Int): void

getVenueCost(): Int

## OpenAir

-fireworks: String

Special

+setVenueName(vNameIn: String):

+setVenueCap(vCapIn: Int): void

+setVenueCost(vCostIn: Int): void

+getVenueName(): String

+getVenueCap(): Int

+getVenueCost(): Int

-venueName: String

-venueCapacity: Int

-venueCost: Int

void

-venueName: String -venueCapacity: Int

-venueCost: Int

+setVenueName(vNameIn: String): void

+getVenueName(): String

+setVenueCap(vCapIn: Int): void

+getVenueCap(): Int

+venueCost(vCostIn: Int): void

+getVenueCost(): Int

+setFWorks(fWorksIn : String): void

+getFWorks(): String

## Stadium

-venueName: String

-venueCapacity: Int

-venueCost: Int

-fireworks: String

+setVenueName(vNameIn: String): void

+getVenueName(): String

+setVenueCap(vCapIn: Int): void

+getVenueCap(): Int

+venueCost(vCostIn: Int): void

+getVenueCost(): Int

+setFWorks(fWorksIn : String): void

+getFWorks(): String

# Auditorium

-venueName: String -venueCapacity: Int -venueCost: Int

Concert

+setVenueName(vNameIn: String):

+setVenueCap(vCapIn: Int): void

+setVenueCost(vCostIn: Int): void

+getVenueName(): String

+getVenueCap(): Int

+getVenueCost(): Int

-venueName: String

-venueCapacity: Int

-venueCost: Int

+setVenueName(vNameIn: String): void

+getVenueName(): String

+setVenueCap(vCapIn: Int): void

+getVenueCap(): Int

+setVenueCost(vCostIn: Int): void

+aetVenueCost(): Int

## Arena

-venueName: String -venueCapacity: Int -venueCost: Int

+setVenueName(vNameIn: String): void

+getVenueName(): String +setVenueCap(vCapIn: Int): void

+getVenueCap(): Int

+setVenueCost(vCostIn: Int): void

+aetVenueCost(): Int

## RunTicketMiner

+ listOfCustomers: ArrayList<Customer> + eventsList: ArrayList<Event>

> +eventsList(): List<Event> +customersList(): List<Customer> +runTM(customerList,eventList): void