

### Group #3

Project Lead: Thomas

Members:

- Xuerou (Catherine)
- Kevin
- Matthew
- Lam

Methods (All methods are static, they do not hold any values longer than their usage. All important values will be stored as variables in the class file with a get function to access them, **do not create variables inside the methods to store these values**. Excess and saved expenses will be calculated in the method)

Each method that involves an expense should call setAllowableExpenses(), any method that has a limitation on fees should utilize setExcess() or setSaved() depending if the cost is not exceeded or is exceeded.

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void setTotalDays() //ask for days in method

int getTotalDays()

void setLeaveTime() //ask for hours in military time in the method

void setReturnTime() //ask for hours in military time in the method

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void setAirfare() //ask for cost in method

- setAllowableExpenses() should be called

void setCarfare() //ask for cost in method

- setAllowableExpenses() should be called

void setMiles() //ask for miles in method

- setAllowableExpenses() should be called
- Calculate expense \$0.27 per mile if a private vehicle is used.

void setParkingFees() //ask for cost in method

- \$6 in fees per day, anything in excess is paid by employee,
- setAllowableExpenses(), and setExcess() or setSaved() should be called

void setTaxiFees() //ask for cost in method

- \$10 in fees per day, anything in excess is paid by employee

- setAllowableExpenses(), and setExcess() or setSaved() should be called

void setSeminarFees() //ask for cost in method

- setAllowableExpenses() should be called

void setHotelExpenses() //ask for cost in method

- \$90 in fees per day, anything in excess is paid by employee
- setAllowableExpenses(), and setExcess() or setSaved() should be called

void setBreakfastFees() //ask for cost in method

- \$9 in fees per day, anything in excess is paid by employee
- setAllowableExpenses(), and setExcess() or setSaved() should be called

void setLunchFees() //ask for cost in method

- \$12 in fees per day, anything in excess is paid by employee
- setAllowableExpenses(), and setExcess() or setSaved() should be called

void setDinnerFees() //ask for cost in method

- \$16 in fees per day, anything in excess is paid by employee
- setAllowableExpenses(), and setExcess() or setSaved() should be called

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void setExcess(double excess) //takes in value as method argument

double getExcess()

- Returns total excess

void setAllowableExpenses(double expense) //takes in value as method argument

double getExpense()

- Returns total expense

void setSaved(double Saved) //takes in value as method argument

double getSaved()

- Returns total amount saved in fees

double getTotalExpense()

- Should utilize getExpense() and getExcess() to calculate total expenses of the entire trip

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Main() should prompt the user to fill in information about the trip, a for loop should be used to repeat the process for each day of the trip, the limiter based on the total days of the trip.

Input Validation: Do not accept negative numbers for any dollar amount or for miles driven in a private vehicle. Do not accept numbers less than 1 for the number of days. Only accept valid times for the time of departure and the time of arrival.

1. Kevin - Complete
  - void setTotalDays()
  - int getTotalDays()
  - void setSeminarFees()
  - void setDinnerFees()
  - double getTotalExpense()
2. Lam - Complete
  - void setLeaveTime()
  - void setReturnTime()
  - void setTaxiFees()
  - void setLunchFees()
  - double getSaved()
3. Xuerou (Catherine) - Complete
  - void setAirfare()
  - void setCarfare()
  - void setParkingFees()
  - void setBreakfastFees()
  - void setSaved()
4. Matthew - Complete
  - void setMiles()
  - void setHotelExpenses()
  - void setExcess()
  - double getExcess()
5. Thomas - Complete
  - void setAllowableExpenses()
  - double getExpense()
  - main()