

## RUNNER CLASS

RESPONSIBILITIES	COLLABORATORS
Run GUI class	GUI class
Run web scraping class	Web scraping class
Run data processing Class	Data processing class
Run report generator class	Report generator class

## GUI CLASS

### RESPONSIBILITIES

Create an interface for the user to use

Interact with and get information from user

Store information from user for other classes to use

### COLLABORATORS

Web scraping class

### INSTANCE VARIABLES

departureCity  
destinationCity  
departureDateandTime  
nonStop  
layovers  
maxBudget

## WEBSCRAPING CLASS

RESPONSIBILITIES	COLLABORATORS
Communicate to flight website	GUI class
Scrape useful flight info from the website	
Store the scraped data to an ArrayList in CSV format	Data Processing Class

Methods
flightScraping
flightParsing

## DATAPROCESSING CLASS

### RESPONSIBILITIES

- Get the flight data
- Process the flight data, sort the data based on criteria - e.g. budget, layover

### COLLABORATORS

- WEBSCRAPING
- REPORT GENERATOR
- Gui

### Instance variables

List of flights ranked by price meeting the conditions (budget, no layover, nonStop)

## REPORT GENERATOR CLASS

RESPONSIBILITIES	COLLABORATORS
Summarise recommended flights for user	Data processing class
Generate map of flight paths	Data processing class
	Web scraping class