

Implements Class Interfaces	

UI	
Placeholder for the wider UI Functions of the program.	
As UI design will be done later on in the project, this CRC card is essentially blank.	

Main	
The main program module	
For the skeleton program, will also serve as a rudimentary console based UI	LocalCache Search

FileIO	
Read and Write user and employer data to files in JSON format.	

Scraper/API	
Scrapes a website (ie, LinkedIn, Indeed), and formats the data into a JSONObject	

BackgroundOperations	
Update the listings of jobs applications by adding new jobs and giving updates on application deadlines.	
Store the current User to access what Listings and SearchQueries the user is watching	User

Matcher	
Uses UserScoreCalc and ListingsScoreCalc to match user and job listing	UserScoreCalc ListingsScoreCalc

LocalCache	
Stores Listings Calls FileIO, Scraper/API and DataFormat to create a job Listing.	FileIO DataFormat

DataFormat	
Takes JSON data and turns it into a JSONObject, uses it to create a Listing.	
Takes a Listing and turns it into JSON Data for writing to file	
Takes data from API(likely will be HTML if scraper) and uses it to create a Listing	

Search	
Searches LocalCache and Scraper/API to find listings	LocalCache Scraper/API

UserScoreCalc	
Assigns a score to a user based on his/her previous experiences, leadership skills and many more	

ListingsScoreCalc	
Assigns a score to each object in the listing based on skills, leadership ability and others	

Sorter	
Sorts job listings by requested comparator(alphabetical, salary, location etc)	

SearchQuery	
A SearchQuery object that contains the parameters that user has made a query with, such as Search Terms, Location, expected pay, etc. for use by the Search class	

User	
Stores User data, such as the job listings and search query they are currently tracking, and also information about the user itself.	

Listing (abstract)	
An abstract class for listing data Getters and Setters for listing data An abstract method to convert this object to a JSON object for Dataformat to write to file when saving. Contains a list of other Listings that are potentially crossplatform duplicates (ie. same listing from LinkedIn and Listing)	

Employers	
Stores data about Employers, such as their review scores (across different websites), and their current job listings	

CustomListingListing	
A Custom Listing, created by user input through the program.	

LinkedInListingListing	
A LinkedIn job listing, extra data includes the LinkedIn ID/URL	

IndeedListingListing	
An Indeed job listing, extra data includes the Indeed ID/URL	