

CRC

CommandLineInterface	
Initialise university object	studentMenu
Parse data from csv into university	teacherMenu
Write data into csv from university	Programme
Handle user input and main functionality of the system	Person
Register users	csvWriter
Handle login	csvParser
Redirect users to their appropriate menu	Department
	University
	Programme

StudentMenu	
Creates an instance of StudentMenu	CommandLineInterface
Displays menu options for user to select	Department
	Module
	Student
	University

TeacherMenu	
Creates instance of teacherMenu	Department
Displays menu options for user to select	Grading
Manages programmes, modules, grades and QCAs	Student
Manages departments and students	Teacher
Stores module name, year, semester and programme	University
Stores programmes name, duration, type and cutoff	Module
	Programme

csvParser	
Creates objects to load into the university by parsing the csv files	Grade
	Student
	Teacher
	University
	Department
	Module

csvWriter	
Saves all the objects from university into csv files	Grade
	Programme
	Student
	Teacher
	University
	Department

Department	
Creates a Department object for a university	Grade
Manages programmes belonging to the department	Programme
Calculates average QCA for a module	Student
Displays students who failed a module	University
	CSVFORMAT
	Department

Grade	
Stores information about grade	Grading
Stores module related to grade	Programme
Stores id of student who has that grade	Student
	Teacher
	University
	Department

Module	
Stores information about the programme related to the module	Programme
Gets the semester of the module	Semester
Formats the module information to be stored as a string to be stored in a CSV	CSVFormat

Person	
Parent class of teacher and student	University
Stores information about name,id,password	

Student	
Extends Person class with extra information about grades, currentProgramme and messages	Grade
Add grade	Module
Calculations for QCA	Programme
Transcript	csvFormat
	Person

Teacher	
Stores department of teacher	Department
	csvFormat
	Person

Programme	
Stores modules of the programme	csvFormat
Stores students in that programme	Module
Stores name,cutoff,duration, level and associated department	Student
Add module	Department

University	
Stores all the data of the system	Teacher
Stores paths used for saving data	Department
Stores lists of departments,students,teachers	Student
Provides methods for verifying password, uniqueID, getting teacher and student object from an ID	
Add student, add teacher,	