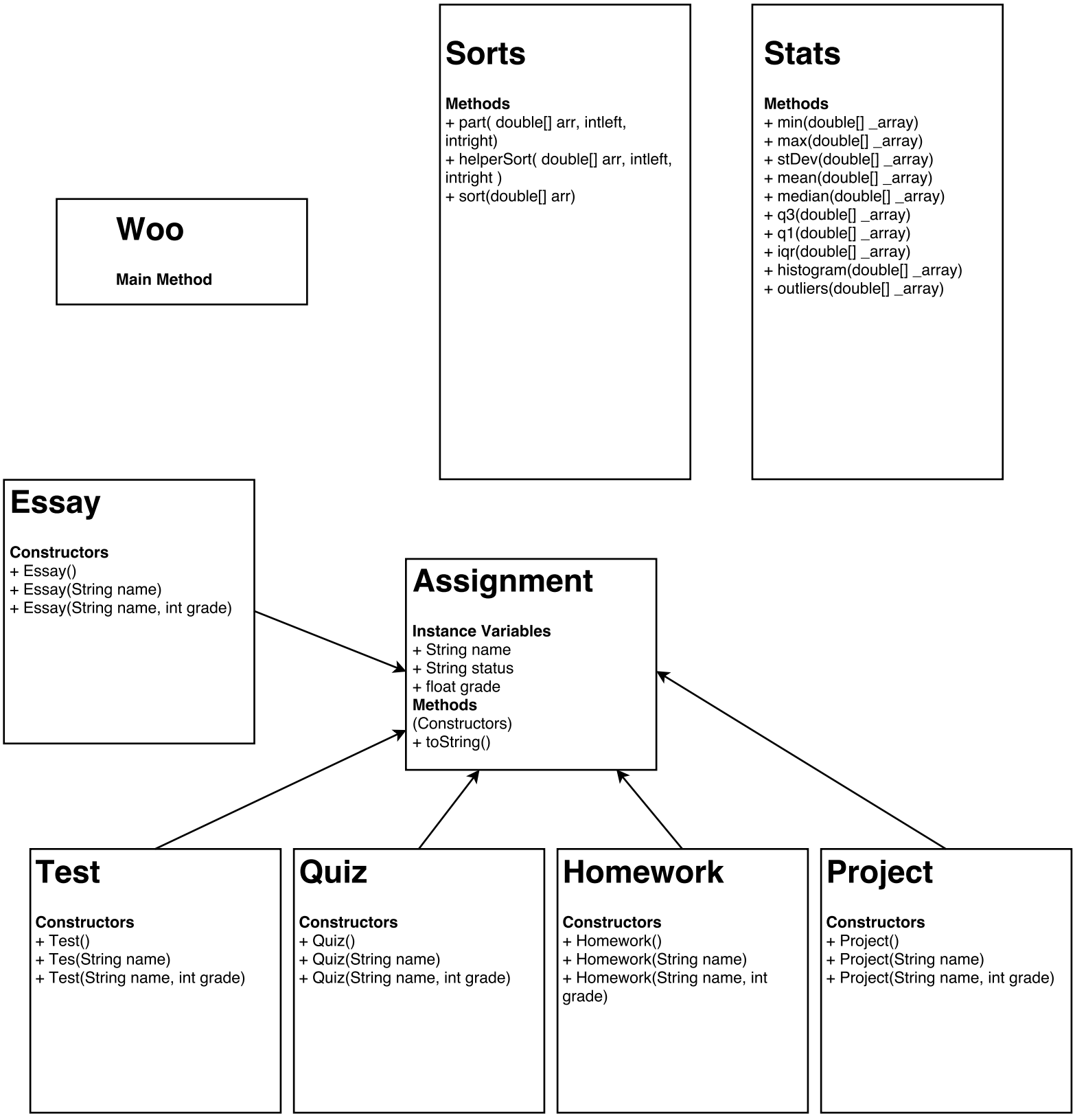
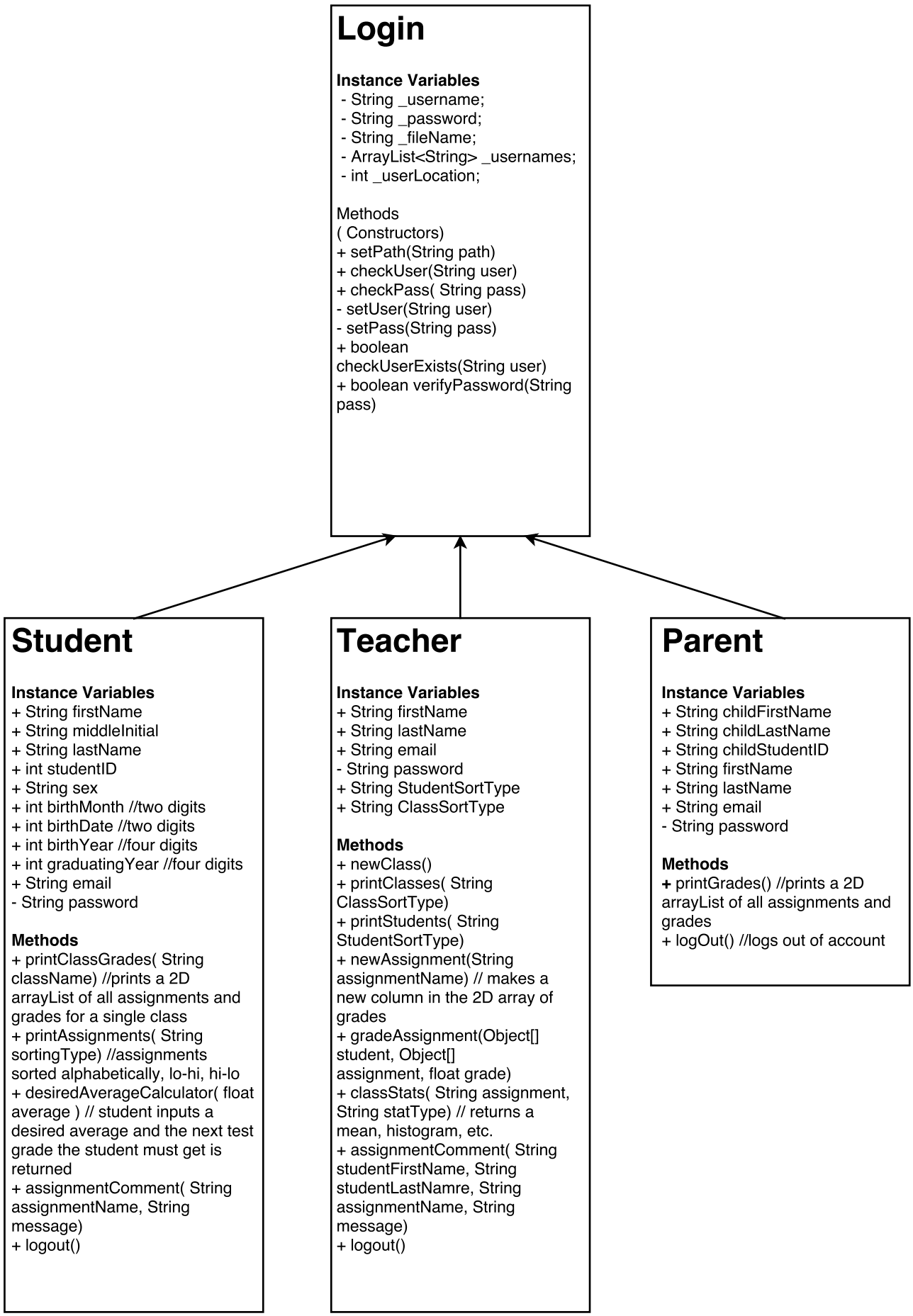
Beep Beep Lettuce Final UML Diagram (Gradebook)



Text


Login
Instance Variables
- String _username;
- String _password;
- String _fileName;
- ArrayList<String> _usernames;
- int _userLocation;
Methods
(Constructors)
+ setPath(String path)
+ checkUser(String user)
+ checkPass(String pass)
- setUser(String user)
- setPass(String pass)
+ boolean checkUserExists(String user)
+ boolean verifyPassword(String pass)
Student
Instance Variables
+ String firstName
+ String middleInitial
+ String lastName
+ int studentID
+ String sex
+ int birthMonth //two digits
+ int birthDate //two digits
+ int birthYear //four digits
+ int graduatingYear //four digits
+ String email
- String password
Methods
+ printClassGrades(String className) //prints a 2D arrayList of all assignments and grades for a single class
+ printAssignments(String sortingType) //assignments sorted alphabetically, lo-hi, hi-lo
+ desiredAverageCalculator(float average) // student inputs a desired average and the next test grade the student must get is returned
+ assignmentComment(String assignmentName, String message)
+ logout()
Teacher
Instance Variables
+ String firstName
+ String lastName
+ String email
- String password
+ String StudentSortType
+ String ClassSortType
Methods
+ newClass()
+ printClasses(String ClassSortType)
+ printStudents(String StudentSortType)
+ newAssignment(String assignmentName) // makes a new column in the 2D array of grades
+ gradeAssignment(Object[] student, Object[] assignment, float grade)
+ classStats(String assignment, String statType) // returns a mean, histogram, etc.
+ assignmentComment(String studentFirstName, String studentLastNamre, String assignmentName, String message)
+ logout()
Parent
Instance Variables
+ String childFirstName
+ String childLastName
+ String childStudentID
+ String firstName
+ String lastName
+ String email
- String password
Methods
+ printGrades() //prints a 2D arrayList of all assignments and grades
+ logOut() //logs out of account