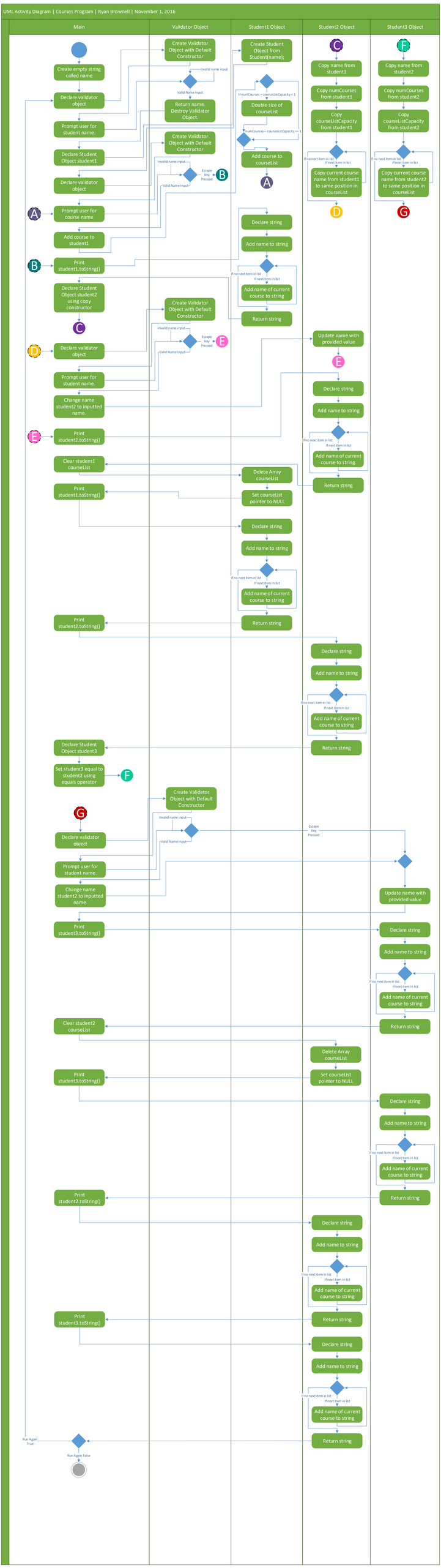
UML Activity Diagram | Courses Program | Ryan Brownell | November 1, 2016
Main
Validator Object
Student1 Object
Student2 Object
Student3 Object
Create empty string called name
Declare validator object
Prompt user for student name.
Declare Student Object student1
Declare validator object
Prompt user for course name
Add course to student1
Print student1.toString()
Declare Student Object student2 using copy constructor
Declare validator object
Prompt user for student name.
Change name student2 to inputted name.
Print student2.toString()
Clear student1 courseList
Print student1.toString()
Declare Student Object student3
Set student3 equal to student2 using equals operator
Declare validator object
Prompt user for student name.
Change name student2 to inputted name.
Print student3.toString()
Clear student2 courseList
Print student3.toString()
Print student2.toString()
Print student3.toString()
Run Again True
Run Again False
Create Validator Object with Default Constructor
Invalid name input
Valid Name Input
Return name. Destroy Validator Object.
Create Validator Object with Default Constructor
Invalid name input
Escape Key Pressed
Valid Name Input
Create Validator Object with Default Constructor
Invalid name input
Escape Key Pressed
Valid Name Input
Create Validator Object with Default Constructor
Invalid name input
Escape Key Pressed
Valid Name Input
Create Student Object from Student(name);
If numCourses – courseListCapacity < 1
Double size of courseList
If numCourses – courseListCapacity >= 1
Add course to courseList
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Delete Array courseList
Set courseList pointer to NULL
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Update name with provided value
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string.
Return string
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Delete Array courseList
Set courseList pointer to NULL
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Declare string
Add name to string
If no next item in list
If next item in list
Add name of current course to string
Return string
Copy name from student1
Copy numCourses from student1
Copy courseListCapacity from student1
If no next item in list
If next item in list
Copy current course name from student1 to same position in courseList
Copy name from student2
Copy numCourses from student2
Copy courseListCapacity from student2
If no next item in list
If next item in list
Copy current course name from student2 to same position in courseList
Escape Key Pressed
Update name with provided value
A
B
C
D
E
F
G