



S.t Mary's University

Programming fundamentals 2

Project phase 1

Class diagram of structures and functions design for Bus Routing System

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COMPONENETS

--Login

--Bus driver

--Bus route and

--Bus

**Are the structures for the code that will be done with nested structure

**Are the classes for the code that will be done with class by applying inheritance and polymorphism concept.

=>There are total of 12 functions included on the class diagram all having void return type.

=> Each classes have their own attributes stated with their data type.

=> The order of the structs will remain the same with the class diagram in terms of order.

=> The order of the class in contrast will change as the base class is “bus” and the derived classes are Bus route and bus driver as it is stated by the direction of the arrow.

=> The red and yellow arrows represent the removal and modification of an instance.

~While the red corresponds to delete.

~The yellow corresponds edit.

Structure and Function Design

