



Hacettepe University

Department of Computer Engineering

BBM 104 – Introduction to Programming Laboratory II

Spring 2020

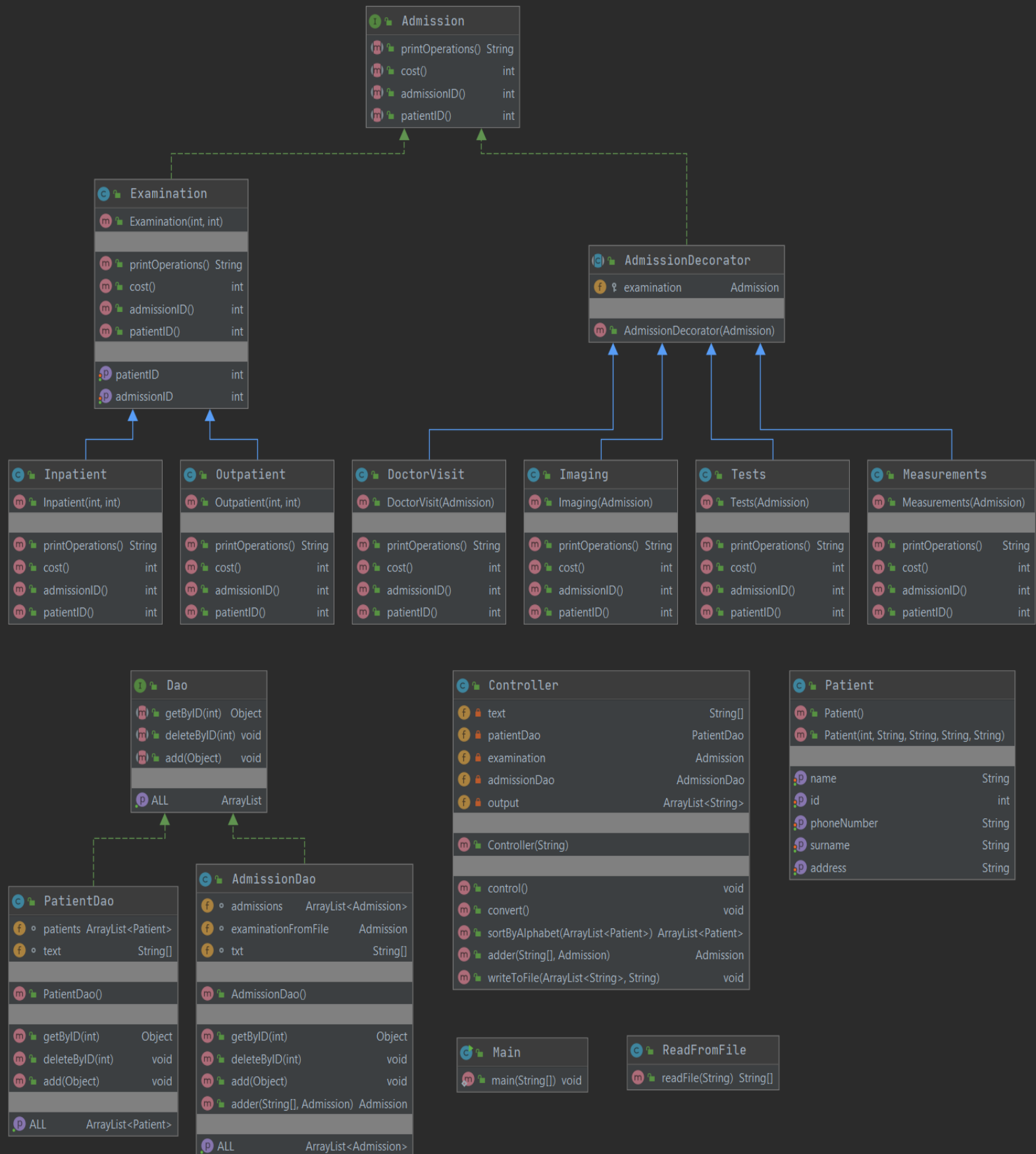
Assignment III

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## CLASS DIAGRAMS



## **PROBLEM DEFINITION**

In this assignment, I am expected to implement Hospital Management Systems in Java programming language by using inheritance and polymorphism concepts. This program provided updating, deleting, adding to list of patient and admission operation.

## **STEPS OF ALGORITHMS**

I parsed three files and used them in the relevant class. AdmissionDecorator abstract class associated with Examination class provided usage of decorator pattern design through Admission interface. Program can do updating, adding, deleting processing through Dao interface. Controller class can control all classes and processes with using inheritance and polymorphism. End of all processes, I am converting all ArrayList to a string and write to file one by one.