

Report of Assignment 3

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1 Problem

In this assignment we are expected design a hospital management system to monitor or manipulate patient information and changing of admissions according to given input text. My design has decorator design pattern and Data Access Object.

2 Algorithm

My algorithm in this solution has decorator design pattern and object management classes. First of all, I read the inputs given from admission file and patient information file and saved them in objects and arraylist with the help of decorator pattern and DAO. Then I read input file and made changes in admission and patient files according to given orders. Finally, I wrote all results and changes in output file; update admission file and patient file.

3 UML Diagram

