# Assignment -2 PS4 (Student Dissertation)

# Algorithm Design Document

**Purpose**

The purpose of this document is to outline the design and time complexity of the algorithm

* Provides the details of the algorithm design
* Time complexity of the algorithm

As part of the problem we’re asked to formulate an efficient algorithm using dynamic programming

**Implementation Details**

1. **Implementation details of methods in the class StudentHashTable**

**Method 1:** **initializeHash()**