**ABSTRACT**

File structures provide efficient access to disk by allowing data to be stored, located and retrieved in a convenient way. A file system must be able to store the file, locate the file and retrieve the file. Hotel Management system is a file structure system implemented using Inverted lists. After adding records into the file operations like reading the details, searching the record, deleting the record and modifying a record can be performed on the contents of the file.

This mini project is aimed at providing a common platform for all kinds of hotel. Owing to the need to have all the customer details stored securely, facilitating timely access to update, search and delete, the program was built. Each user is identified by his room number and all the room details are stored in files. The program is built using C++ and Inverted list indexing concept.

It uses Inverted list in which a key may be associated with a list of reference fields pointing to documents that contain key. Files such as our secondary key leads to a set of one or more primary keys are called inverted lists. It is called inverted list because we are working our way backward from a secondary key to primary key to the record itself.

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