

**INTRODUCING  
AN EFFICIENT  
TREP-BASED  
MEDICAL  
REGISTRATION  
SYSTEM.**

CS225 SP22  
GROUP E1  
23 MAY 2022

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CHEN Xuming  
LIANG Weijie

# ***CONTENTS***

***Data Structure***

***System Architecture***

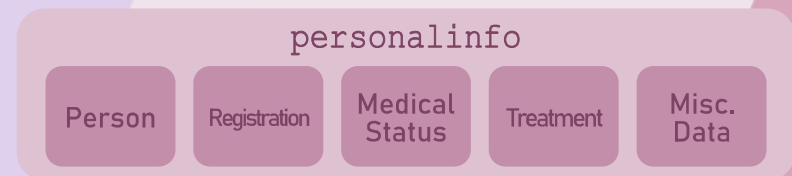
***Operations***

# ***PART 1***

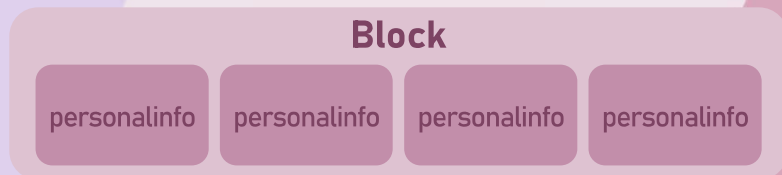
## ***Data Structure***

***System Architecture***  
***Operations***

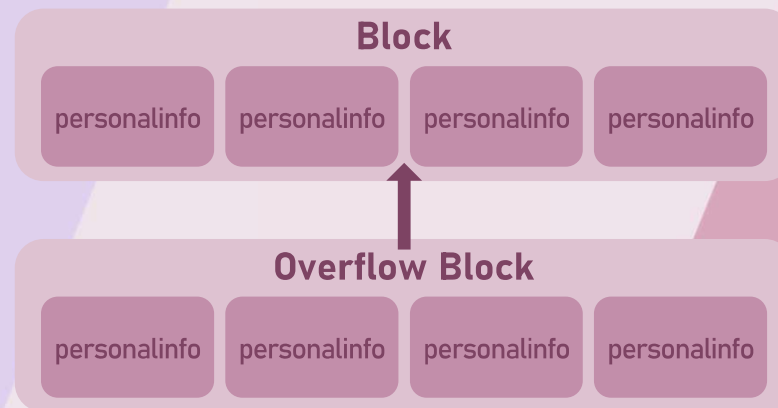
## ***Data Structure***



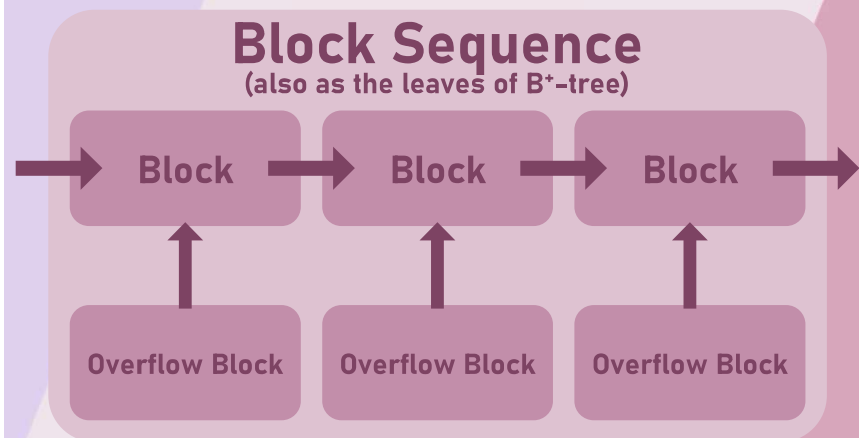
## Data Structure



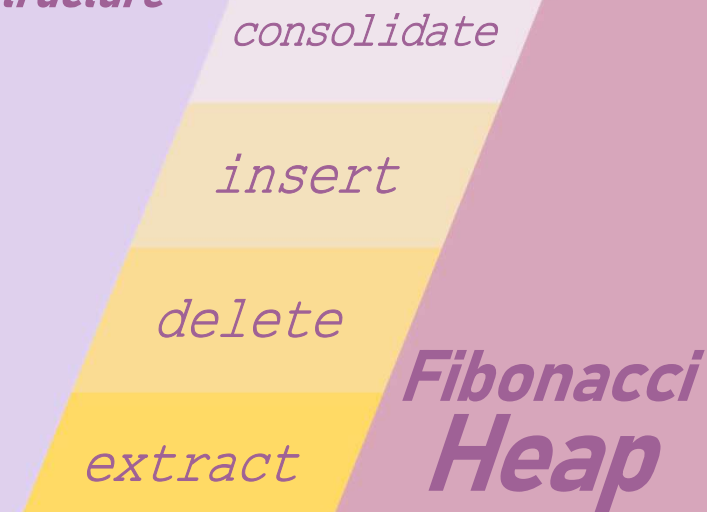
## Data Structure

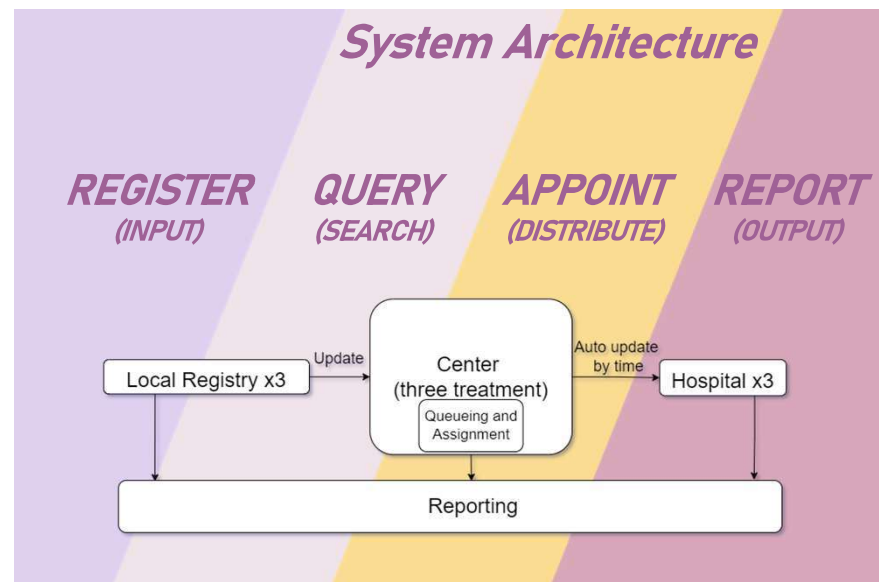
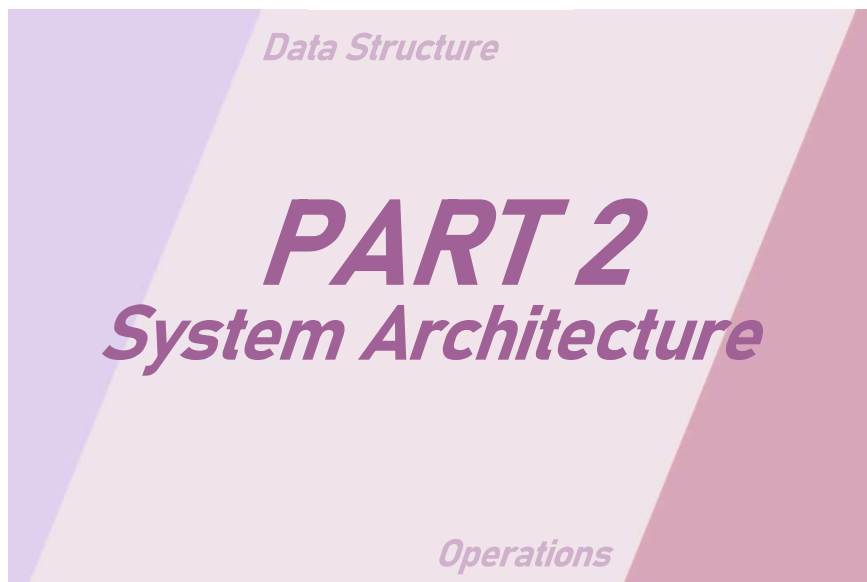
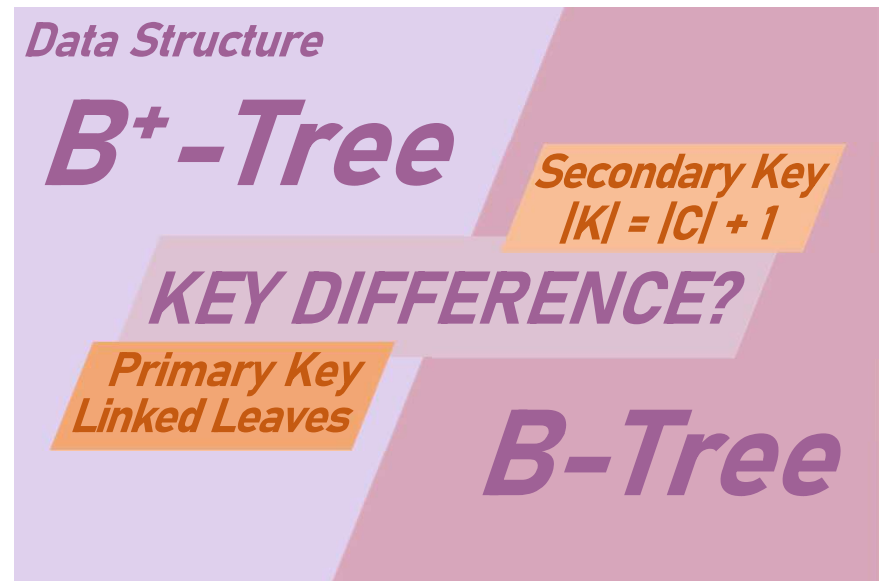
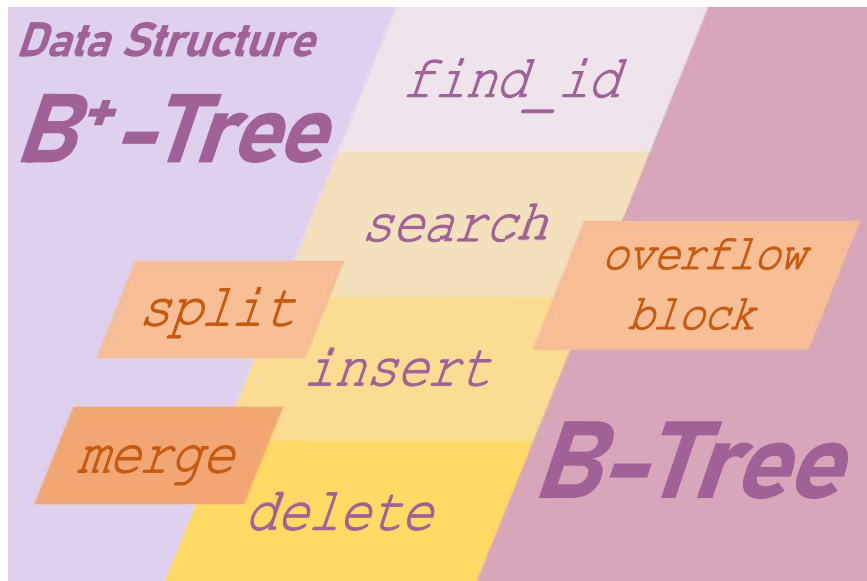


## Data Structure



## Data Structure





## System Architecture

**REGISTER**  
(INPUT)

**QUERY**  
(SEARCH)

**APPOINT**  
(DISTRIBUTE)

**REPORT**  
(OUTPUT)

personalinfo  
(Auto/Manual)

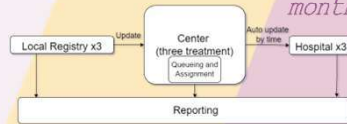
BPlusTree  
BTree

FibHeap  
BlockSeq  
etc.

hospital

report

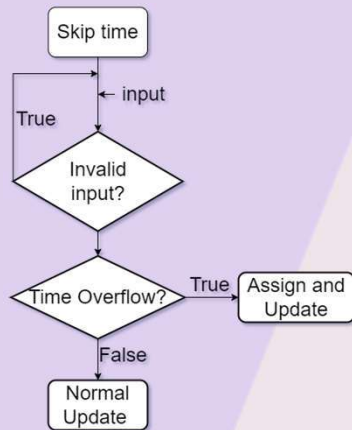
weekly\_report.csv  
monthly\_report.csv



Data Structure  
System Architecture

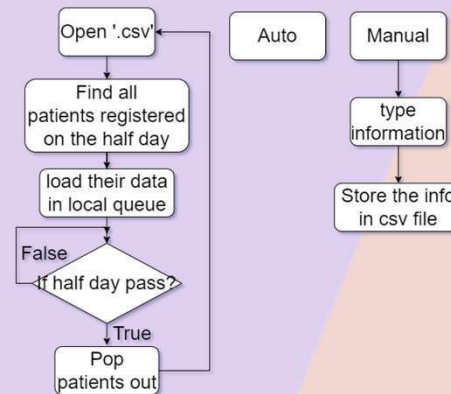
## PART 3 Operations

### Skip Time

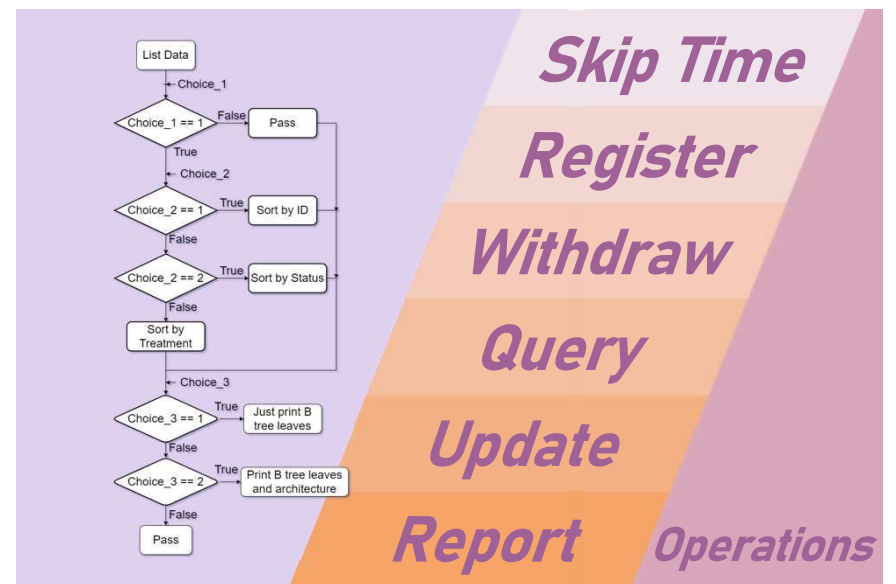
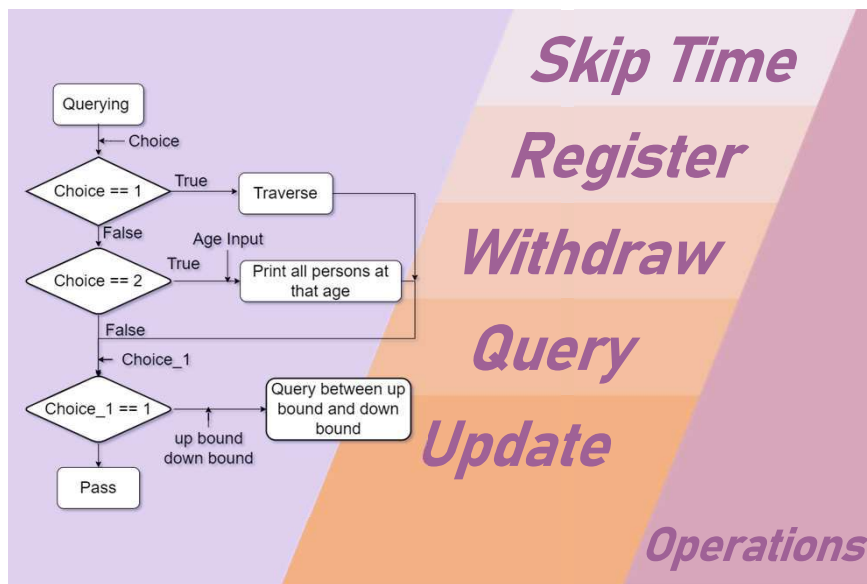
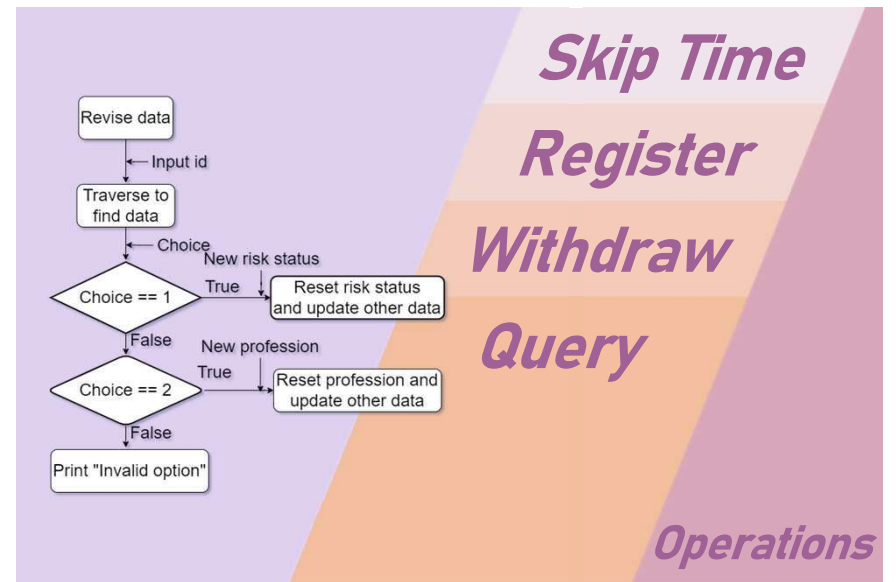
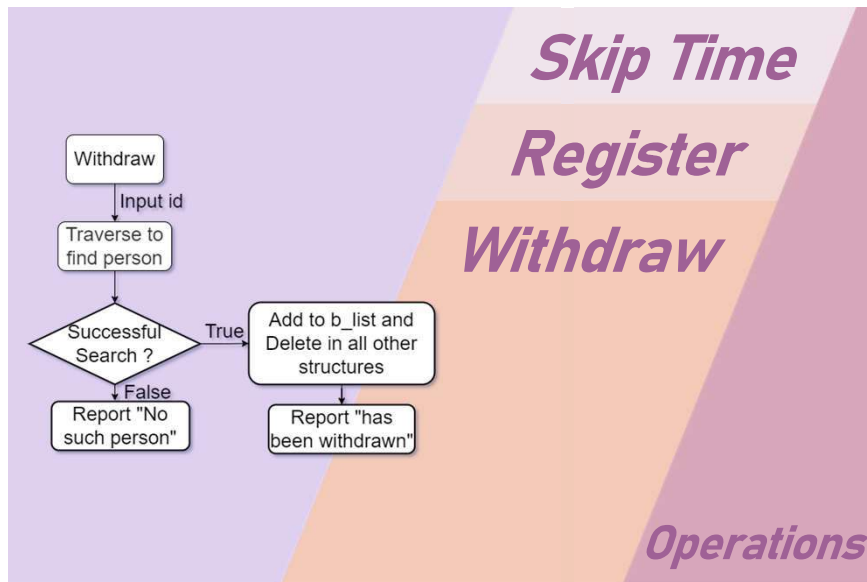


Operations

### Skip Time Register




Operations





***DEMO  
TIME!***



***INTRODUCING  
AN EFFICIENT  
TREE-BASED  
MEDICAL  
REGISTRATION  
SYSTEM.***

***THANKS FOR  
LISTENING***