

CAMPUS IN AND OUT

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KEY FEATURES OF THE PROJECT

- NON-INSTITUTE, SAME GATE IN AND OUT.
- STORE ALL ENTRIES WITH REAL DATE AND TIME.
- ONLY GUARD IS ALLOW TO DO ENTRIES.
- ADMIN MANAGES GUARD'S ACCOUNT.
- ONLY ADMIN CAN SEE ALL GATES ENTRIES.
- STUDENT'S ENTRY ON THE BASES OF TIME.
- PROVIDE COLOR TO THE VEHICLE.

LIST OF USE CASES

ADD ENTRY
ADD EXIT
UPDATE DATABASE
ENTER
LOGIN
Logout
View Entries
Add User
Remove User
Change User Password

STRUCTURE OF THE DATABASE

• DATABASE STRUCTURE FOR INSTITUTE MEMBERS

Institute Id (String)	Official Id (String)	Name (String)	Contact No (String)	Inside/Not Inside (bool)
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• DATABASE STRUCTURE FOR NON-INSTITUTE MEMBERS

Official Id (String)	Name (String)	Contact No. (String)	Gate no. (int)	Inside/Not Inside (bool)
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• DATABASE STRUCTURE FOR REGISTERED VEHICLES

Vehicle No. (String)	Vehicle Color (char)
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STRUCTURE OF THE DATABASE

- DATABASE STRUCTURE FOR SPECIAL PERMISSION

Student's Id

- DATABASE STRUCTURE FOR LOGS

Gate No. (int)	Date (int)	Month (int)	Year (int)	Hour (int)	Minute (int)	Inside/ Not Inside (bool)	Vehicle no./ Persion Id (String)	Vehicle/ Person (bool)

- DATABASE STRUCTURE FOR ACCOUNT

Account Id	Password	Account Type

THINGS THAT COULD NOT BE IMPLEMENTED

- CLEAR DUES OF NON-INSTITUTE VEHICLE.
- DATE FOR VALIDITY FOR STUDENT'S SPECIAL PERMISSION.

STATISTICS OF UNIT AND SYSTEM TESTING

- RANDOM METHOD AND CFG.
- NO AUTOMATED TOOLS WERE USED.
- SOME NON-USER INTERACTIVE TEST CASES ARE NOT PRESENT IN THE TEST REPORT.

FOOD COURT TRANSACTION

(TESTED)

LIST OF USE CASES TESTED

Take order
Show bill
Update Stock
Show Report
Change Details
View menu
User authentication

STATISTICS OF THE TEST CASES

- 18 FUNCTIONS WERE TESTED.
- 17 FUNCTIONS WERE CORRECT AND 1 FUNCTION WAS INCORRECT.
- TIME AND DATE OF SELLING THE ITEM IS NOT PRESENT IN THE PROGRAM.

CONCLUSION

- LEARNED HOW TO MAKE A PROJECT GOING THROUGH THE COMPLETE PROCESS OF SOFTWARE DEVELOPMENT.
- HOW TO DIVIDE A PROJECT INTO MULTIPLE FILE
- HOW TO REMOVE CYCLIC DEPENDENCY

The background is a light gray gradient. In the top-left and bottom-right corners, there are several realistic water droplets of various sizes, rendered with highlights and shadows to give them a three-dimensional appearance.

THANK YOU