

CSE 222

PROJECT FINAL REPORT - GROUP 1

Prison Management System

1. Group Members

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2. Problem Definition

The problem is to manage a prison fast, easily and safely. In big institutions such as prisons most of the time the problem is weak communication and information among the personnel. Our aim is to solve this communication and information problem. Prisons have personnel such as administrator, governor, chief jailer, jailers, staff members (e.g. cook, healthcare), prisoners etc.; or rooms such as cells, wards, dining hall etc.

All this information is tracked by the system and only authorized personnel can use this system. We call them users. Users can reach any data and perform actions with respect to their authorities in the prison. For example; registering, head counting, shifting, adding daily food menus etc.

By using this system, we provide its users ability to handle weak communication and information problems by allowing users to access everything immediately.

3. Users of the System

The prison system has users such as administrator, governor, jailers, chief jailer and staff members(cooks , healthcare personnel).

- **Administrator** manages the system by adding and removing governor.

- **Governor** can enter and remove information about the prisoners such as name, surname, T.C number, criminal record, the number of the ward and prisoner's relative information. Also, governor can add and remove another users. He/She keeps the information of these users. This information is name, surname, T.C number and user's profession.
- **Chief jailer** manages guards. He/She assigns them to the necessary departments. Chief jailer also manages visitors' entrance and exit.
- **Jailers** enter the census details of the prisoners every morning and evening. He/She can access prisoners' information. They are also able to arrange health appointment for inmates.
- **Healthcare personnels** enter prisoners' health information into the system.
- **Cooks** organize the menu and enter the menu into the system.

4. Requirements

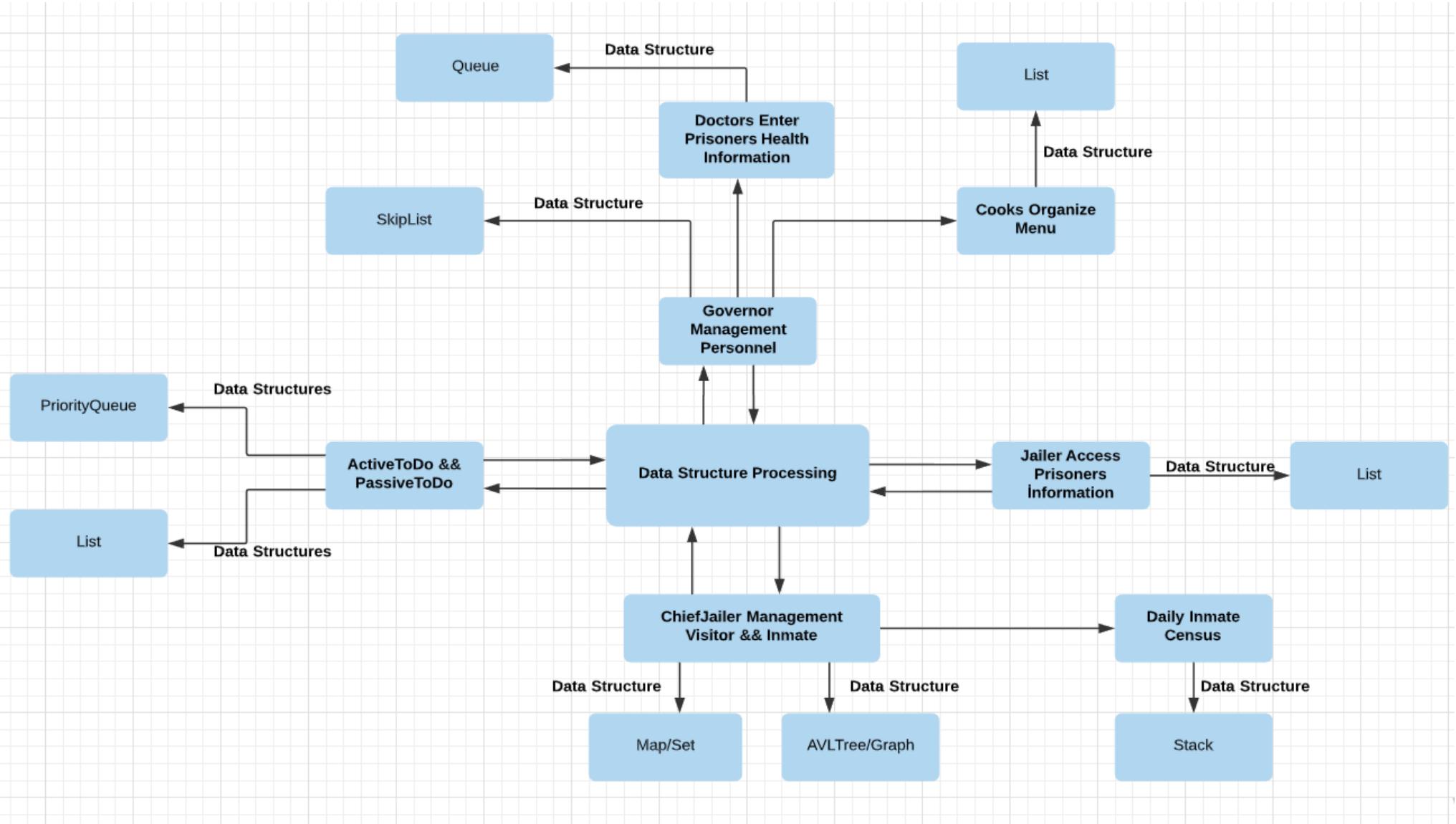
Functional Requirements

Requirement ID	Description of the Requirement
FR1	Administrator (e.g. Secretary of Justice) shall be able to add or remove Governor.
FR2	Governor shall be able to add or remove prisoners.
FR3	Governor shall be able to add or remove personnel (Jailers, Cooks, Health Personnel).
FR4	Chief Jailer shall be able to manage visitors.
FR5	Chief Jailer shall be able to manage jailers (Work Departments, Shift Hours).
FR6	Jailers shall be able to update prisoner census data.
FR7	Jailers shall be able to declare state of alert.
FR8	Jailers shall be able to create Health Appointment for inmates.
FR9	Healthcare Personnel shall be able to manage and update prisoners health status.
FR10	All Users shall be able to login successfully and safely.
FR11	Cooks shall be able to organize the menu and enter the menu into the system.

Non-Functional Requirements

Requirement ID	Description of the Requirement
NFR1	Hardware should be able to run at least Java SE13.
NFR2	System can operate on any hardware. The seller is not in charge of any leaks in security if customer decides to change their hardware or their operating system.
NFR3	System should be able to provide information on user's request in less than 1 second in optimal conditions.
NFR4	Anyone outside the prison (such as visitor) does not have any access to prisoners' information. Visitors need to be confirmed by prison's prisoner's to be able to enter the jail.
NFR5	Personnel having access to the system (especially administrators) should do the training course provided by our experienced staff.
NFR6	System should be easy to use and user experience should be simple enough so that even the elderly personnel is able to catch up fast.
NFR7	Customer buying the system is required to report the maximum capacity of the prison (maximum number of prisoners, staff, administrators of the system etc.)
NFR8	For registering someone new into the system they are required to be in possession of an either id card, residential permit or a passport, otherwise they become a temporary prisoner until their identification is confirmed.
NFR9	Reinstalling the system should be done by professionals in case of failure

5. Detailed System Modules



Data Structures

```
public class DataBase {
    //updated data structures
    private List<DailyFoodMenu> menuList ;
    private NavigableMap<Inmate , NavigableSet<Visitor>> visitorsMap;
    private PriorityQueue<ToDo> activeToDoQueue ;
    private List<ToDo> passiveToDo;//Todos that was done before
    private Queue<HealthAppointment> healthAppointmentsQueue ;
    private Stack<DailyInmateCensus> dailyInmateCensusStack ;
    private AVLTree<Inmate> prisonersTree ;
    private SkipList<Personnel> allPersonnel ;
    private GraphADT<Block> blockStructureGraph;
    private boolean fileFlag = false;
    private boolean alert = false;
    private ReadAndWriteFile readAnd writeFile;
    public DataBase(){
        menuList = new LinkedList<> ();
        visitorsMap = new TreeMap<> ();
        activeToDoQueue = new PriorityQueue<> ();
        passiveToDo = new ArrayList<> ();
        healthAppointmentsQueue = new LinkedList<> ();
        prisonersTree = new AVLTree<> ();
        allPersonnel = new SkipList<> ();
        readAnd writeFile = new ReadAnd writeFile (this);
        dailyInmateCensusStack = new Stack<> ();
        Block[] blocks = new Block[]{new Block ("A"),new Block ("B1"),new Block ("B2")};
        blockStructureGraph = new AdjacencyListMatrix<> (3,false,blocks);
    }
}
```

Explanation for the Data Structures

List

```
private List<DailyFoodMenu> menuList;
```

We used java Linked List Data structure to keep our daily menu information, since we will add a new menu everyday and **adding end of the linked list is in O(1) time** as you can see from the following picture;

Operation \ List	LinkedList	ArrayList
get(int index)	O(n/4) average	O(1)
add(E element)	O(1)	O(1) amortized O(n) worst-case
add(int index, E element)	O(n/4) average O(1) if index is 0	O(n/2) average
remove	O(n/4) average	O(n/2) average
Iterator.remove()	O(1)	O(n/2) average
ListIterator.add(E element)	O(1)	O(n/2) average

Queue or Stack

- Queue

```
private Queue<HealthAppointment> healthAppointmentsQueue;
```

We used java Queue Data structure to keep our health appointment information for inmates, since queue data structures is a first in first out data structure, it is good for appointments queue because that is the natural order of any sort of an appointment since first person to get an appointment will be the first one to enter it.

And also other advantages of queue is that getting top element is executed in O(1) time.

- Stack

```
private Stack<DailyInmateCensus> dailyInmateCensusStack ;
```

We used java Stack Data structure to keep daily census information, since we only need last census information to be checked and stack provides last in first out(lifo) mechanism.

Balanced Binary Search Tree.

```
private AVLTree<Inmate> prisonersTree;
```

For storing inmate information in the prison we used AVLTree implementation from book as balanced search tree since we will do many search on inmates and by using AVL tree we can search an inmate in O(logn) time.

Note: We changed BinaryTree to AVLTree since we compare inmates according to their IDs and if we used binary search tree we may get only right subtrees so searching a binary search tree with only right subtrees is in O(n) time, but now since AVL tree is able to balance itself by performing rotations our tree will always be balanced.

Priority Queue

```
private PriorityQueue<ToDo> activeToDoQueue;
```

We used java PriorityQueue Data structure to keep our tasks to be done by personnel according to importance of that task. A personnel must do most important job to do other jobs. The important thing about PriorityQueue is that personnel cannot do other tasks without doing most important job, In other words, personnel can perform its tasks in an importance order.

Set – Map

```
private NavigableMap<Inmate, NavigableSet<Visitor>> visitorsMap;
```

In our system we have visitor information for inmates. Since each inmate has its own visitors we thought that we can do mapping visitors with respect to inmate they are visiting. In this data structure;

key : Inmate

value: NavigableSet <Visitor>

In this case we can easily reach inmate's visitors.

SkipList

```
SkipList<Personnel> allPersonnel;
```

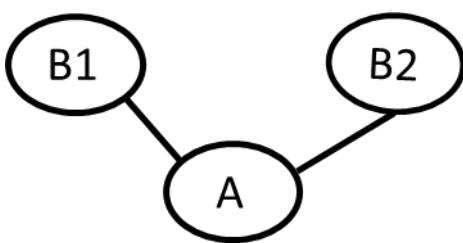
For the personnel information in the prison we used SkipList implementation from book since when personnel logs in to the system we need to search for the ID and password to verify the login. By using search in skip list we get complexity of $O(\log n)$ which provides us a fast search while password checking.

Graph

```
private GraphADT<Block> blockStructureGraph;
```

By using graph we will represent our prison structure and information. We assumed that we have 3 blocks in the prison as in picture and blocks are connected to each other. Each block has 2 floors, one for inmate and second one for personnel. By using graph we can see all information about the prison structure. For a generic graph data type we used 2nd part implementation of 8th homework.

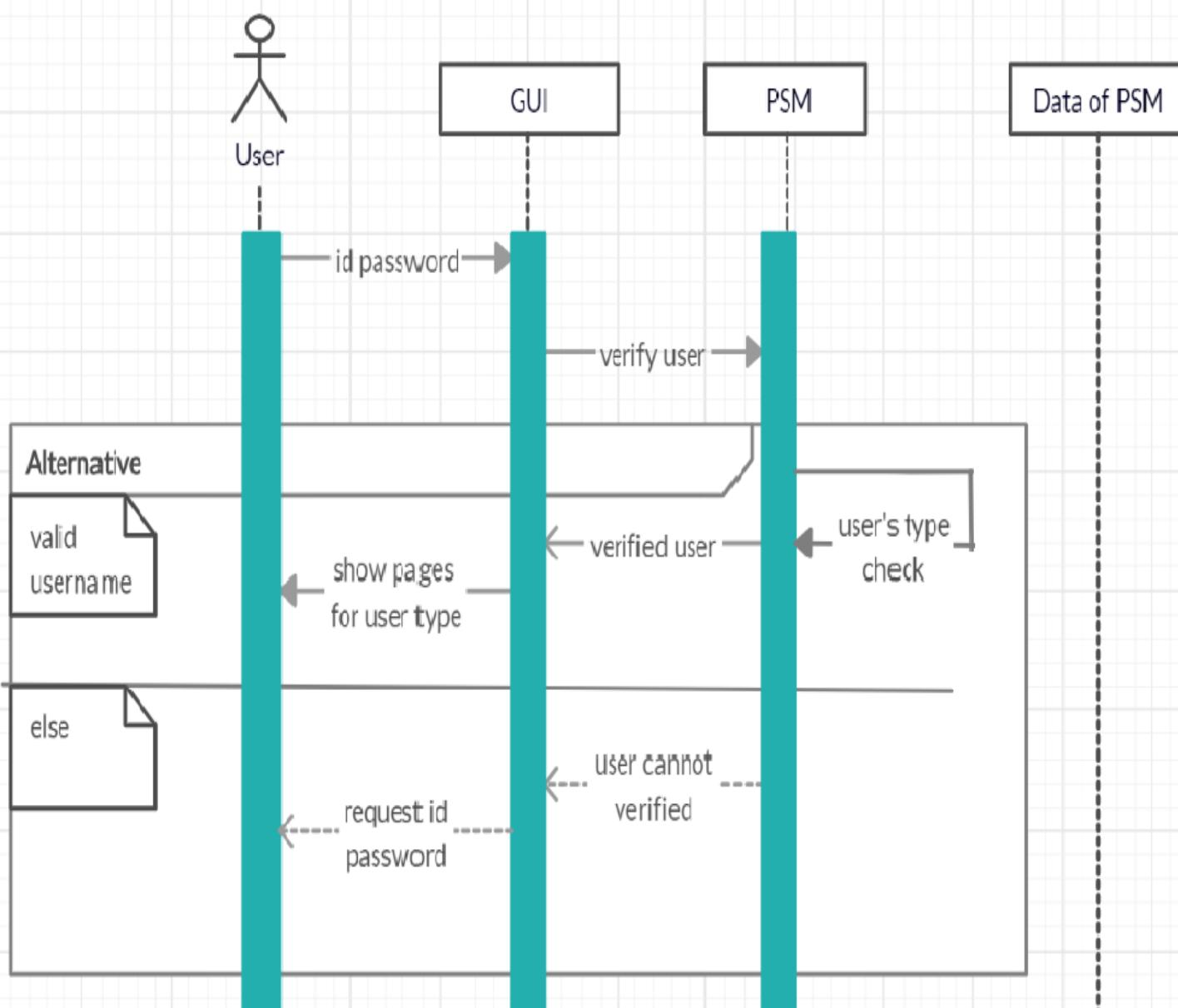
A sample Graph representation is;

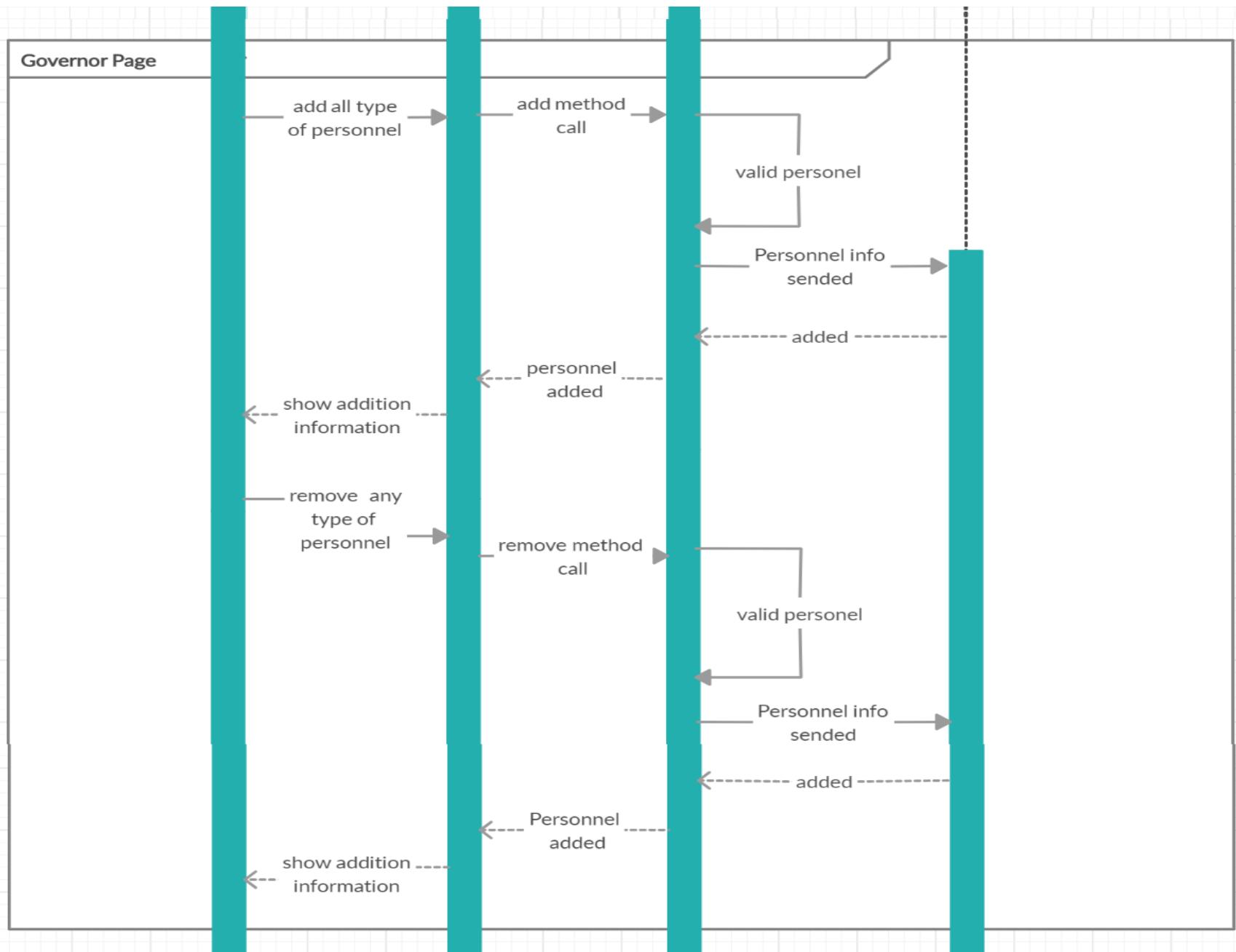


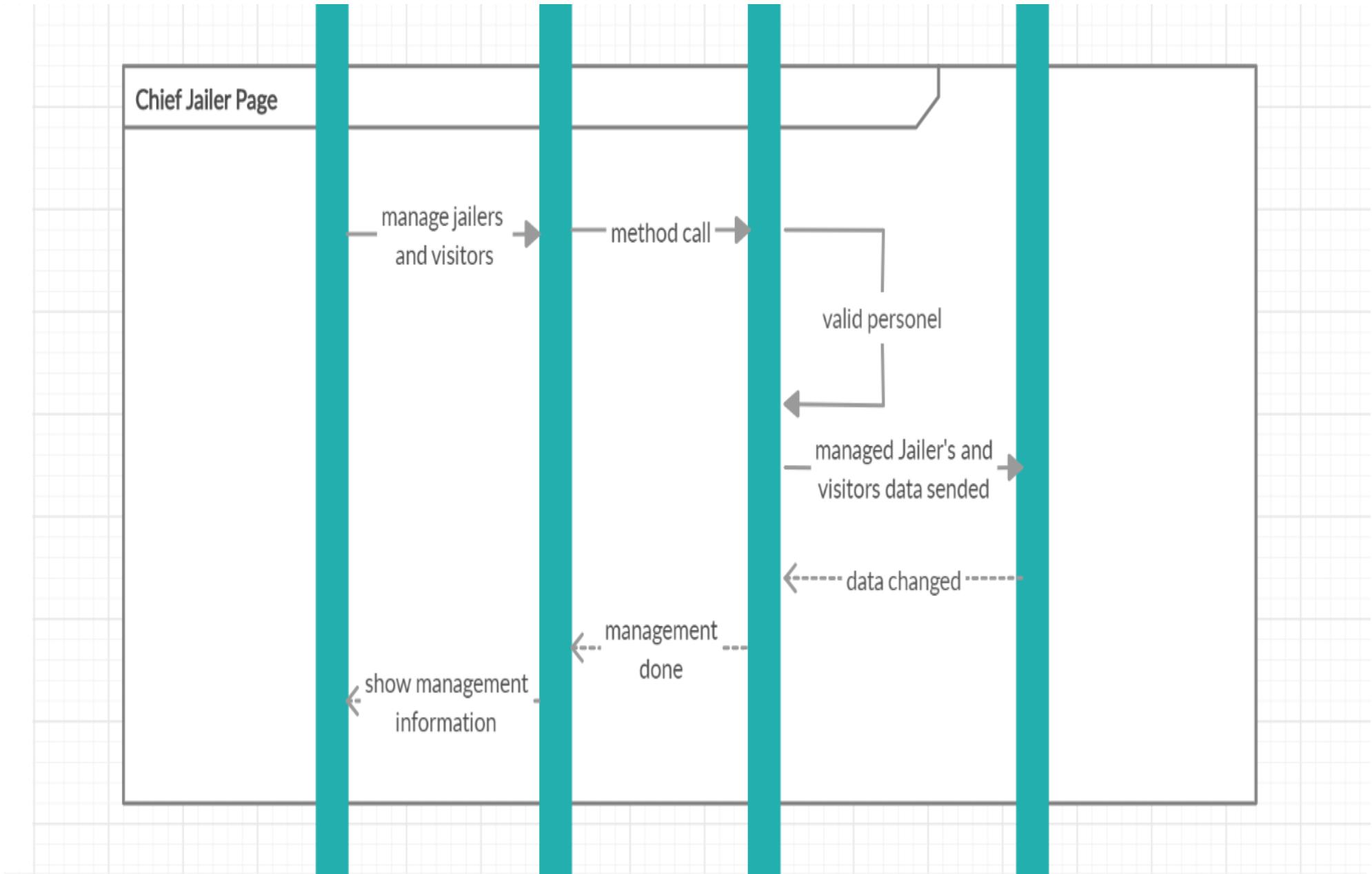
6. Class Diagrams

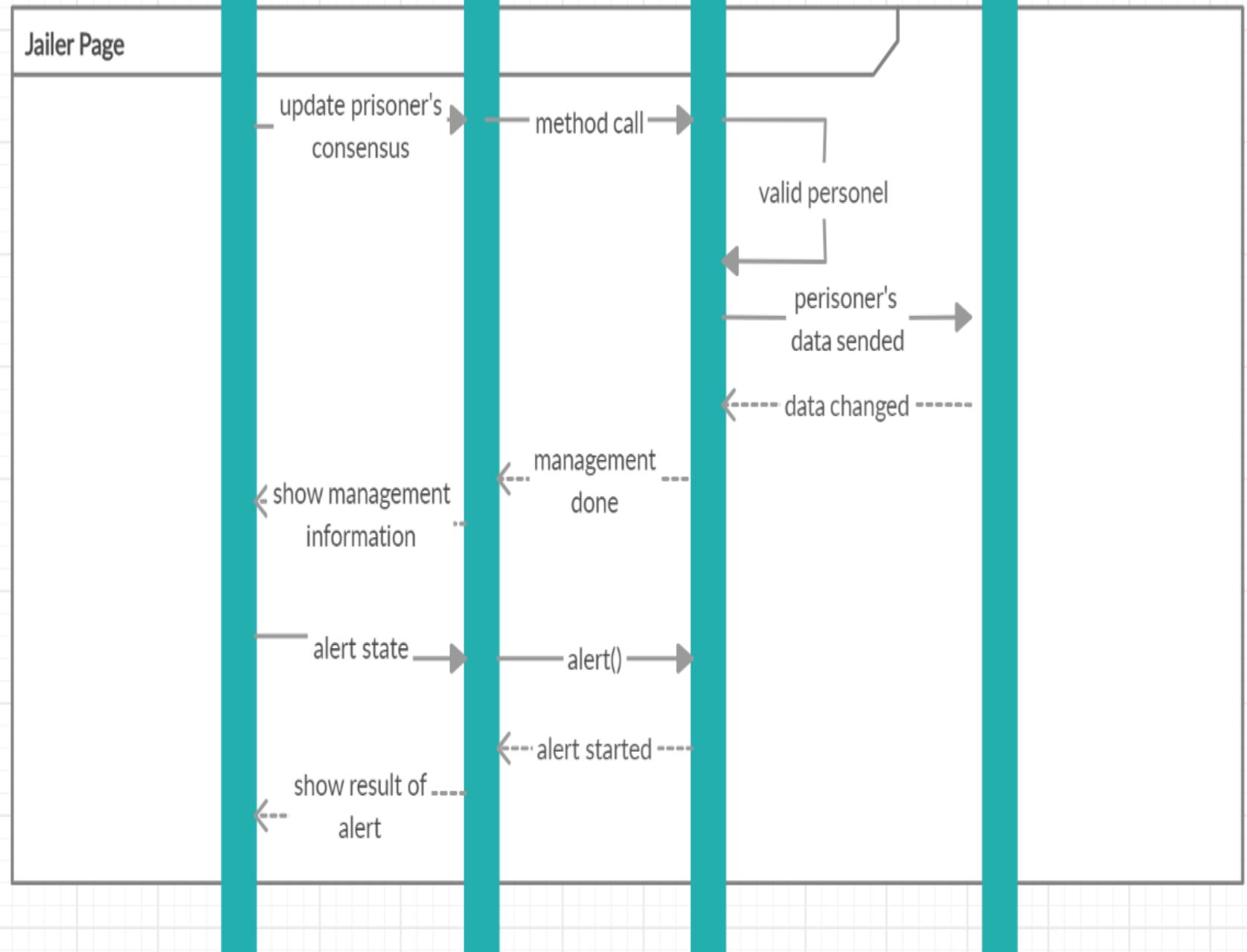
Check Class Diagram.pdf file.

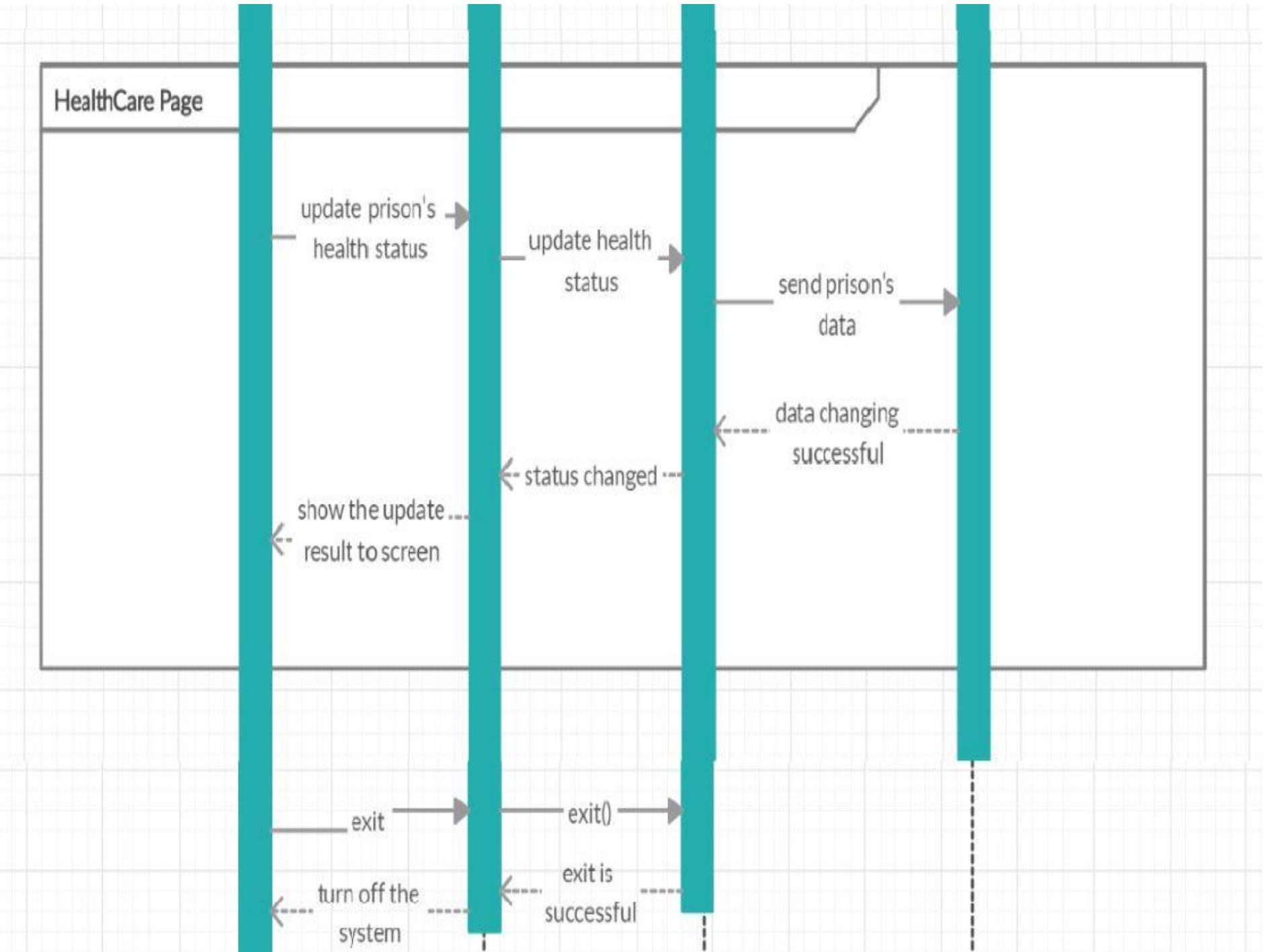
7. Sequence Diagrams(Has Changed GUI to Console)





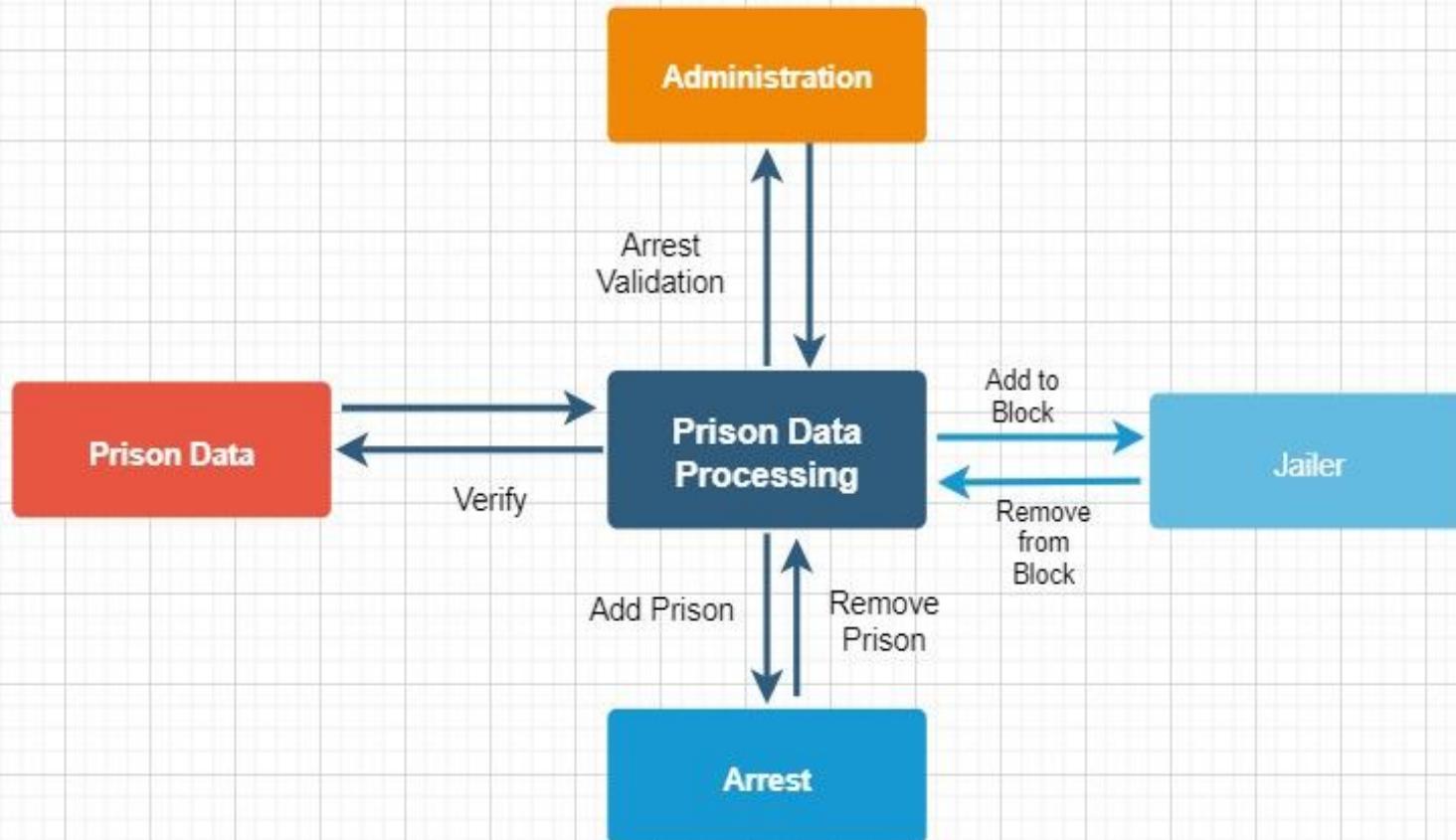






8. Other Diagrams

- Basic Module diagram



9. Implementation Details(Has Changed)

In this project most of the implementation part belongs to java so there is nothing outside of java.

Changes

We planned to make **GUI** interface for our project but there were other homeworks, projects and exams in the past month and also there was no one in our group who was experienced with java's GUI. So because of this, we didn't do GUI, but made a **menu-driven** program instead.

A sample menu:

```
-----  
Welcome to Prison Management System  
-----  
[1] Login.  
-----  
[2] Check Prison Status.  
-----  
[0] Exit.  
-----  
Answer: 1  
Enter your ID as Number: 99999  
Enter your Password: 1234akif  
-----
```

Password Security for the System

To store our passwords safely we used an encryption method called hashing and salting. In other word salted hash. In this method hash is ascii code of each character in the password minus(-) 19. Salt is a random string of characters that is different for every single user. We mixed hash and salt to make strong encryption. In this way even if two users has same password the encryption will be entirely different.

How to store system Data?

To store our entire data, we used **files**. After each insertion, deletion or update, the files are updated.

SOFTWARE REQUIREMENTS

Java SE Version	Java 13 and above
IDE	NetBeans, Eclipse and IntelliJ IDEA

10. Test cases

Test ID	Requirement ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
T01	FR9	Check Administrator login with valid data.	1.Go to app. 2.Enter UserID. 3.Enter Password. 4.Click Login.	UserID = 10123 Password = password1	User should login into Application.	As Expected	Pass
T02	FR9	Check Administrator login with invalid user ID.	1.Go to app. 2.Enter invalid UserID. 3.Enter Password. 4.Click Login.	UserID = 101 Password = password1	System should give an error message and should not login	As Expected	Pass
T03	FR9	Check Administrator login with invalid password.	1.Go to app. 2.Enter UserID. 3.Enter invalid Password. 4.Click Login.	UserID = 10123 Password = wpassword1	System should give an error message and should not login	As Expected	Pass
T04	FR1	Administrator adds a new Governor to the system.	1.Go to app. 2.Go to add Governor screen. 3.Enter name. 4.Enter UserID. 5.Enter Phone. 6.Set random password.	Name = Ray Holt UserID = 10123 Password = password1	Administrator should add Governor to the system.	As Expected	Pass
T05	FR1	Administrator adds a new Governor to the system but enters invalid user ID.	1.Go to app. 2.Go to add Governor screen. 3.Enter name. 4.Enter invalid UserID. 5.Enter Phone. 6.Set random password.	Name = Ray Holt UserID = 101 Password = password1	System should give an error message that says ID should be 5 digit.	As Expected	Pass
T06	FR1	Check if the Administrator removed Governor.	1.Go to app. 2.Go to remove screen. 3.Enter UserID. 4.Click remove.	UserID= 10123	Administrator should remove Governor from the system.	As Expected	Pass
T07	FR9	Check Governor login with valid data.	1.Go to app. 2.Enter UserID. 3.Enter Password.	UserID = 10123 Password = password1	User should login into Application.	As Expected	Pass

			4.Click Login.				
T08	FR9	Check Governor login with invalid user ID.	1.Go to app. 2.Enter invalid UserID. 3.Enter Password. 4.Click Login.	UserID = 101 Password = password1	System should give an error message and should not login	As Expected	Pass
T09	FR9	Check Governor login with invalid password.	1.Go to app. 2.Enter UserID. 3.Enter invalid Password. 4.Click Login.	UserID = 10123 Password = wpassword1	System should give an error message and should not login	As Expected	Pass
T10	FR2	Governor adds an Inmate to the system.	1.Go to app. 2.Go to add Inmate screen. 3.Enter name. 4.Enter InmateID. 5.Enter crimeType 6.Enter remainingDay. 7.Enter wardNo. 8.Click add.	Name = Doug Judy InmateID = 10009 CrimeType = Theft RemainingDay = 378 WardNo = 4	Governor should add Inmate to the system	As Expected	Pass
T11	FR2	Governor adds an Inmate to the system but enters invalid Inmate ID.	1.Go to app. 2.Go to add Inmate screen. 3.Enter name. 4.Enter invalid InmateID. 5.Enter crimeType 6.Enter remainingDay. 7.Enter wardNo. 8.Click add.	Name = Doug Judy InmateID = 1000 CrimeType = Theft RemainingDay = 378 WardNo = 4	System should give an error message that says ID should be 5 digit.	As Expected	Pass
T12	FR3	Governor adds personnel(cook) to the system.	1.Go to app. 2.Go to add personnel screen. 3. Enter name. 4.Enter UserID. 5.Set random password.	Name = Love Quinn UserID = 10345 Password = password3 Block = 3 Type = Cook Shift = Day	Governor should successfully add personnel(cook) to the system.	As Expected	Pass

			6.Enter Phone. 7.Enter Type. 8.Enter Shift. 9.Enter start date. 10.Click add.	Start Date = 20 March, 2020			
T13	FR3	Governor adds personnel (Jailer) to the system.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen. 6. Go to Add a Jailer screen. 7.Enter Jailer's User ID. 8.Enter Jailer's name 9.Enter Jailer's surname 10. Enter password. 11. Enter blood group 12. Enter Last Control Result 13. Enter height 14. Enter weight 15. Enter pulse 16. Enter Shift Time 17. Enter Shift Days. 18. Enter block. 19. Enter Floor	Governor id = 11100 Password = 1234akif UserID = 10567 Name = Rosa Surname = Diaz Password = password5 Blood Group = A – Last Control Result = good Height = 167 Weight = 60 Pulse = 80 Shift Time = night Shift Days = Friday, Saturday Block = A Floor = 0	Governor should add Jailer to the system.	As Expected	Pass
T14	FR3	Governor adds personnel(Jailer) to the system but enters invalid ID.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen. 6. Go to Add a Jailer screen. 7.Enter Jailer's User ID.	Governor id = 11100 Password = 1234akif UserID = 1056	System should give an error message that says ID should be 5 digit.	As Expected	Pass

T15	FR3	Governor adds personnel(Doctor) to the system.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen. 6. Go to Add a Doctor screen. 7.Enter Doctor's User ID. 8.Enter Doctor's name 9.Enter Doctor's surname 10. Enter password. 11. Enter blood group 12. Enter Last Control Result 13. Enter height 14. Enter weight 15. Enter pulse 16. Enter Shift Time 17. Enter Shift Days. 18. Enter block. 19. Enter Floor	Governor id = 11100 Password = 1234akif UserID = 10456 Name = Mehmet Surname = Öz Password = password4 Blood Group = B+ Last Control Result = good Height = 190 Weight = 80 Pulse = 76 Shift Time = daytime Shift Days = Monday, Tuesday, Wednesday Block = B1 Floor = 1	Governor should successfully add personnel (Doctor) to the system.	As Expected	Pass
T16	FR3	Governor adds personnel(Doctor) to the system but enters invalid ID.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen. 6. Go to Add a Doctor screen. 7.Enter Doctor's User ID.	Governor id = 11100 Password = 1234akif UserID = 1045	System should give an error message that says ID should be 5 digit.	As Expected	Pass
T17	FR3	Governor adds personnel (ChiefJailer) to the system.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen.	Governor id = 11100 Password = 1234akif UserID = 12345 Name = Jake Surname = Peralta Password = password6	Governor should add Chief Jailer to the system.	As Expected	Pass

			6. Go to Add a ChiefJailer screen. 7.Enter ChiefJailer's User ID. 8.Enter ChiefJailer's name 9.Enter ChiefJailer's surname 10. Enter password. 11. Enter blood group 12. Enter Last Control Result 13. Enter height 14. Enter weight 15. Enter pulse 16. Enter Shift Time 17. Enter Shift Days. 18. Enter block. 19. Enter Floor	Blood Group = AB+ Last Control Result = good Height = 185 Weight = 78 Pulse = 82 Shift Time = evening Shift Days = Thursday, Sunday Block = B2 Floor = 0			
T18	FR3	Governor adds personnel(Chief Jailer) to the system but enters invalid ID.	1.Go to app. 2.Go to Login screen. 3. Enter own id. 4. Enter own password. 5. Go to Add a Personnel screen. 6. Go to Add a Chief Jailer screen. 7.Enter Jailer's User ID.	Governor id = 11100 Password = 1234akif UserID = 1234	System should give an error message that says ID should be 5 digit.	As Expected	Pass
T19	FR3	Governor removes personnel to the system.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Remove Personnel screen. 7. Enter Personnel id.	Governor id = 11100 Password = 1234akif UserID = 14100	Governor should remove personel to the system.	As Expected	Pass
T20	FR3	Governor removes personnel to the	1.Go to app. 2.Go to Login Screen. 3.Enter own id.	Governor id = 11100 Password = 1234akif UserID = 14100	System should give an error message	As Expected	Pass

		system but enters invalid ID.	4.Enter own password. 5.Go to Remove Personnel screen. 7. Enter Personnel id.		that says personnel was not found.		
T21	FR3	Governor updates personnel in the system.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Update Personnel screen. 7. Enter Personnel id. 8. Enter the updated informations.	Governor id = 11100 Password = 1234akif UserID = 13100 Updated Informations: UserId = 13400 Name = Deniz Surname = Demirel Password = password12 Blood Group = B+ Last Control Result = good Height = 178 Weight = 80 Pulse = 83 Shift Time = evening Shift Days = Monday, Sunday Block = B1 Floor = 1	Governor should update personnel to the system.	As Expected	Pass
T22	FR3	Governor updates personnel in the system but enters invalid ID.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Update Personnel screen. 7. Enter Personnel id.	Governor id = 11100 Password = 1234akif UserID = 12098	System should give an error message that says personnel was not found.	As Expected	Pass
T23	FR12	Governor adds daily to-do to the system.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Add To-Do screen. 6. Enter Job.	Governor id = 11100 Password = 1234akif Job = Health Control UserID = 13400	Governor should add daily to-do to the system.	As Expected	Pass

			7. Enter personnel id.				
T24	FR12	Governor removes daily to-do to the system.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Remove To-Do screen. 6. Enter Job.	Governor id = 11100 Password = 1234akif Job = check	Governor should remove daily to-do to the system.	As Expected	Pass
T25	FR12	Governor add urgent to-do to the system.	1.Go to app. 2.Go to Login Screen. 3.Enter own id. 4.Enter own password. 5.Go to Update To-Do screen. 6. Enter Job.	Governor id = 11100 Password = 1234akif Job = health control	Governor should add urgent to-do to the system.	As Expected	Pass
T26	FR3	Governor adds any personnel to the system but enters invalid user ID	1.Go to app. 2.Go to add personnel screen. 3.Enter name. 4.Enter invalid UserID. 5.Set random password. 6. Enter Block. 7.Enter Phone. 8. Enter Type. 9. Enter Shift. 10.Enter start date. 11.Click add.	Name = Rosa Diaz UserID = 105 Password = password5 Block = 3 Type = Jailer Shift = Day Start date = 23 August, 2014	System should give an error message that says ID should be 5 digit.	As Expected	Pass
T27	FR9	Check Chief Jailer Login with valid data.	1.Go to app. 2.Enter UserID. 3.Enter password. 4.Click Login.	UserID = 99998 Password = 1234akif	User should Login into application.	As Expected	Pass
T28	FR4	Chief Jailer adds visitor to the system.	1.Go to app. 2. Choose add Visitor . 3. Enter name.	Name = Fadime Kir TCNumber = 11119 InmateID = 5438887675	Chief Jailer should add visitor to the system.	As Expected	Pass

			4. Enter TCNumber. 5. Enter Phone. 6. Enter inmateID. 7. Enter date. 8. Enter entrance_time.	Date = 12.12.12 Entrance_time = 12.12			
T29	FR4	Chief Jailer updates visitor's exit time.	1.Go to app. 2.Choose enter exit time 3.Enter visitor's name. 4.Update exit_time. 5.Click update.	TCNumber = 11119 Exit_time = 17.12	Chief Jailer should update visitor's exit time.	As Expected	Pass
T30		Chief Jailer removes visitor.	1.Go to app. 2.Choose remove Visitor 4. Enter TC Number	TCNumber = 11119	Chief Jailer should remove visitor.	As Expected	Pass
T31	FR5	Chief Jailer updates Jailers' shift hours.	1.Go to app. 2.Choose set shift-hour 3.Enter jailer's UserID. 4.Update shift hours. 5.Click update.	UserID= 99999 Days = Sunday, Monday Shift = Evening	Chief Jailer should update jailer's shift hours.	As Expected	Pass
T32		Chief Jailer updates Jailers' department.	1.Go to app. 2.Choose set department 3.Enter jailer's UserID. 4.Update shift hours. 5.Click update.	UserID= 99999 Block = A Floor = 0	Chief Jailer should update jailer's department.	As Expected	Pass
T33	FR9	Check Jailer Login with valid data.	1.Go to app. 2.Enter UserID. 3.Enter Password. 4.Click Login.	UserID = 10567 Password = password5	User should Login into application.	As Expected	Pass
T31	FR9	Check Jailer Login with valid data.	1.Login 2.Check Prison Status 0.Exit	UserID = 99999 Password = 1234akif	User should Login into application.	As Expected	Pass
T32	FR6	Jailer check census before add census	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census	Answer : 1 No Last Census	Showing census info.	As Expected	Pass

			4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment				
T33	FR7	Jailer add new census and check last census	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment	Answer : 2 Enter number of Inmate: 100 Census info was Added with today's date.	Adding new census successfully.	As Expected	Pass
T34	FR9	Check Health Personnel Login with valid data.	1.Go to app. 2.Enter UserID. 3.Enter Password. 4.Click Login.	UserID = 10456 Password = password4	User should Login into application.	As Expected	Pass
T35	FR2	Check if the Governor removed Inmate.	1.Go to app. 2.Go to remove screen. 3.Enter InmateID. 4.Click remove.	UserID = 10009	Governor should remove Inmate from the system	As Expected	Pass
T36	FR3	Check if the Governor removed personnel.	1.Go to app. 2.Go to remove screen. 3.Enter UserID. 4.Click remove.	UserID = 10567	Governor should remove personnel from the system	As Expected	Pass
T37	FR9	Doctor logs into the system	1.Enter id 2.Enter password	ID:14100 Pw:1234akif	User should login into Application.	As Expected	Pass
T38	FR9	Get next appointment	Chooses option	Option: 1	Should get next patient	As Expected	Pass

T39	FR9	Choose option for patient's examination and see blood type	Enter choice	Choice:1	Should show patient's blood group	As Expected	Pass
T40	FR9	Change blood group of a patient	Select to change its blood group: 2	Enter new blood group: "ab+"	Blood group should be changed	As Expected	Pass
T41	FR9	Get newly changed blood group	Select option	Choice: 1	New blood group should be "ab+"	As expected	Pass
T42	FR9	Check last control's results	Select option	Choice: 3	Should get last control's results as "good"	As expected	Pass
T43	FR9	Set new control results	Select option 4 and proceed	Enter new control results: "fair"	Control results should be altered	As expected	Pass
T44	FR9	Get last control's results again	Select option	Choice: 3	Should now be "fair"	As expected	Pass
T45	FR9	Get inmate's height	Select option	Choice: 5	Should return inmate's height	As expected	Pass
T46	FR9	Set new height for the inmate	Select optoin	Chioce: 6 And enters: 1.81 for height	Height should be set	As expected	Pass
T47	FR9	Get new height	Select option	Choice: 5	Should return height as 1.81	As expected	Pass
T48	FR9	Get inmate's weight	Select option	Choice:7	Should return inmate's weight	As expected	Pass
T49	FR9	Set inmate's weight	Select option and enter new weight	Option:8 New weight:87	Weight should be updated	As expected	Pass
T50	FR9	Get new weight	Select option	Option: 7	Weight should be 87	As expected	Pass

T51	FR9	Get inmate's pulse	Select option	Option: 9	Should show its last measured pulse	As expected	Pass
T52	FR9	Set inmate's pulse	Select option And enter new pulse	Option: 10 New pulse:120	Pulse should be set	As expected	Pass
T53	FR9	Enter invalid option	Entering some option that does not exist	Option: 12	Should let know the doctor that the option is not valid	As expected	Pass
T54	FR9	Checking food menu from the main menu	Enter option	Option: 2	Should show that day's menu	As expected	Pass
T55	FR9	Getting a new appointment when there is no new appointments	Enter option	Option: 1	Should let know the doctor that there are no new patients	As expected	Pass
T56	FR10	Login for cook	Choose login Enter id Enter password	Answer: 1 Enter your ID as Number: 13100 Enter your Password: 1234akif	Cook interface	As Expected	Pass
T57	FR10	List all menu	Select option	Choice: 6	Listed all menu in system.	As expected	Pass
T58	FR10	Add new daily food menu	Select option Enter day Enter meal name Enter foods	Answer: 1 enter day : Tuesday enter meal name (Breakfast, lunch or dinner : lunch enter add food or [0] for back : yayla enter add food or [0] for back : makarna enter add food or [0] for back : patlican enter add food or [0] for back : 0	Added	As expected	Pass
T59	FR10	Add new daily food menu	Select option Enter day Enter meal name	Answer: 1 enter day : Friday	Added	As expected	Pass

			Enter foods	enter meal name (Breakfast, lunch or dinner : dinner enter add food or [0] for back : ezogelin enter add food or [0] for back : mantar enter add food or [0] for back : bulgur enter add food or [0] for back : 0			
T60	FR10	Change menu	Select option Enter day Enter meal name Remove meal Enter foods Change menu	Answer: 2 enter day wanted to change : monday enter meal name (Breakfast, lunch or dinner : breakfast enter add food or [0] for back : poagaca enter add food or [0] for back : simit enter add food or [0] for back : cay enter add food or [0] for back : 0 Successful!	changed	As expected	Pass
T61	FR10	Delete all day	Select option Enter day Select option	Answer: 3 enter day : Sunday Answer: 1	Deleted	As expected	Pass
T62	FR10	Print last menu	Select option	Answer: 5	Friday - dinner ezogelin mantar bulgur	As expected	Pass
T63	FR10	Delete specific day and meal	Select option Enter day Select option Enter meal name	Answer: 3 enter day : Monday Answer: 2 enter meal name : lunch	Successful!	As expected	Pass
T64	FR10	Delete all week	Select option	Choice:4	Deleted	As expected	Pass
T65	FR6	Jailer delete census and check last census	0.Main Menu 1.Check Last Census 2.Add New Census	Answer: 3 Answer: 1	Delete census and show last	As Excepted	Pass

			3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	No Last Census	census successfully		
T66	FR7	Jailer check set alert && undo alert	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 4 Answer : 5	Set alert and then undo alert	As Excepted	Pass
T67		Jailer get inmate info and showing info valid data	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 6 Enter ID of the prison: 10000 Inmate{id=10000, name='ali kara', crimeType='FELONY', remainingDay=1662, wardNo=2}	Jailer get inmate info and showing successfully	As Excepted	Pass

T68	Jailer get inmate info and showing info invalid data	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 6 Enter ID of the prison: 12000 java.lang.NullPointerException	Enter invalid id, throw exception	As Excepted	Fail
T69	Jailer get shift hour invalid id	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 7 Enter id: 13 java.util.NoSuchElementException: No matching jailer found!	Enter invalid id, throw exception	As Excepted	Fail
T70	Jailer check get shift hour valid id	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment	Answer: 7 Enter id: 99999 Working Days: ----- Tuesday Shift; night	Showing working days and shifting	As Excepted	Pass

			10.Delete Health Appointment				
T71		Jailer check get department valid data	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 8 Enter id: 99998 Department: ----- Work Place information: Block= B1 Floor=0	Entering id chief jailer and showing department and work place information successfully	As Excepted	Pass
T72		Jailer check get department invalid data	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 8 Enter id: 13 java.util.NoSuchElementException: No matching jailer found!	Enter invalid id, throw exception	As Excepted	Fail
T73	FR8	Jailer add health appointment to inmate	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department	Answer: 9 Enter inmate id: 20000 ----- Appointment Id: 10000 ----- Enter explanation: stomache	Health Appointment adding successfully	As Excepted	Pass

		9.Add Health Appointment 10.Delete Health Appointment	----- ***All Health Appointments in the system*** ----- ----- HealthAppointment{date=11.06.2020, ownerID=10000, explanation='flu'} HealthAppointment{date=24.06.2020 19:02, ownerID=20000, explanation='stomache'} ----- -----				
T74	FR8	Jailer delete health appointment to inmate	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment 10.Delete Health Appointment	Answer: 10 ***All Health Appointments in the system*** ----- ----- HealthAppointment{date=24.06.2020 19:02, ownerID=20000, explanation='stomache'} ----- -----	Health Appointment removing successfully	As Excepted	Pass
T75		Jailer exit to main menu	0.Main Menu 1.Check Last Census 2.Add New Census 3.Delete Last Census 4.Set Alert 5.Undo Alert 6.Get a Prisoner 7.Get Shift Our 8.Get Department 9.Add Health Appointment	Answer: 0	Exit, back main menu succssfully	As Excepted	Pass

			10.Delete Health Appointment				

RUNNING AND RESULTS

Test ID	Test Result
T01	<pre>Welcome to Prison Management System ----- [1] Login. ----- [2] Check Prison Status. ----- [0] Exit. ----- Answer: 1 Enter your ID as Number: 12100 Enter your Password: 1234akif ----- Welcome Administrator mehmet kartal ----- What do you want to do? ----- [1] Add a Governor ----- [2] Delete a Governor ----- [3] Appoint a new Governor ----- [4] See Last Menu of Prison ----- [5] Check My Todo ----- [0] Exit. ----- Answer:</pre>
T02	<pre>Welcome to Prison Management System ----- [1] Login. ----- [2] Check Prison Status. ----- [0] Exit. ----- Answer: 1 Enter your ID as Number: 101 Enter your Password: 1234akif Your ID or Password Wrong! ----- Welcome to Prison Management System ----- [1] Login. ----- [2] Check Prison Status. ----- [0] Exit. ----- Answer:</pre>

T03

Welcome to Prison Management System

[1] Login.

[2] Check Prison Status.

[0] Exit.

Answer: 1

Enter your ID as Number: 12100

Enter your Password: password1

Your ID or Password Wrong!

Welcome to Prison Management System

[1] Login.

[2] Check Prison Status.

[0] Exit.

Answer:

T04

```
Welcome Administrator mehmet kartal
-----
What do you want to do?
-----
[1] Add a Governor
-----
[2] Delete a Governor
-----
[3] Appoint a new Governor
-----
[4] See Last Menu of Prison
-----
[5] Check My Todo
-----
[0] Exit.

Answer: 1
Enter ID as a 5 digit Number: 10123
Enter name: Ray
Enter Surname: Holt
Enter Password: password1
Enter blood Group: ab+
Enter Last Control Result: healthy
Enter Height: 180
Enter weight: 85
Enter pulse: 70
Enter Shift Time(daytime,evening,night): daytime
Enter day to back exit: Monday
Enter day to back exit: Tuesday
Enter day to back exit: Wednesday
Enter day to back exit: Thursday
Enter day to back exit: Friday
Enter day to back exit: exit
Enter block(A/B1/B2): B1
Enter Floor(0,1): 1
Governor was Added.
```

```
Welcome Administrator mehmet kartal
-----
What do you want to do?
-----
[1] Add a Governor
-----
[2] Delete a Governor
-----
[3] Appoint a new Governor
-----
[4] See Last Menu of Prison
-----
[5] Check My Todo
```

T05

```
Welcome Administrator mehmet kartal
-----
What do you want to do?
-----
[1] Add a Governor
-----
[2] Delete a Governor
-----
[3] Appoint a new Governor
-----
[4] See Last Menu of Prison
-----
[5] Check My Todo
-----
[0] Exit.

Answer: 1
Enter ID as a 5 digit Number: 101
ID should be 5 digit!
```

T06

```
Welcome Administrator mehmet kartal
-----
What do you want to do?
-----
[1] Add a Governor
-----
[2] Delete a Governor
-----
[3] Appoint a new Governor
-----
[4] See Last Menu of Prison
-----
[5] Check My Todo
-----
[0] Exit.
-----
Answer: 2
Enter ID to remove: 10123
Governor was removed!
```

T07

```
Welcome to Prison Management System
-----
[1] Login.
-----
[2] Check Prison Status.
-----
[0] Exit.
-----
Answer: 1
Enter your ID as Number: 10123
Enter your Password: password1
-----
Welcome Governor Ray Holt
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[0] Main Menu.
-----
Answer:
```

T08

```
|-----  
| Welcome to Prison Management System  
|-----  
| [1] Login.  
|-----  
| [2] Check Prison Status.  
|-----  
| [0] Exit.  
|-----  
. Answer: 1  
. Enter your ID as Number: 101  
. Enter your Password: password1  
. Your ID or Password Wrong!
```

T09

```
-----  
Welcome to Prison Management System  
-----  
[1] Login.  
-----  
[2] Check Prison Status.  
-----  
[0] Exit.  
-----  
Answer: 1  
Enter your ID as Number: 10123  
Enter your Password: wpassword1  
Your ID or Password Wrong!
```

T10

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 4
Enter ID as a 5 digit Number: 10009
Enter full name of Inmate: Doug Judy
Enter Crime Type of Inmate(FELONY,MISDEMEANOR,FELONY_MISDEMEANOR, INFRACTION): FELONY
Enter Exit Date(dd/MM/yyyy): 31/12/2035
Enter ward No(0/1/2/3/4/5/6/7/8/9/10): 4
Enter blood Group: a-
Enter Last Control Result: good
Enter Height: 175
Enter weight: 75
Enter pulse: 90
This Inmate is successfully added to the system.
```

T11

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.
```

```
Answer: 4
Enter ID as a 5 digit Number: 1000
ID should be 5 digit!
Enter ID as a 5 digit Number:
```

```
Welcome Governor Ray Holt
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[0] Main Menu.
```

```
Answer: 1
Please choose one:
-----
[1] Add a Jailer
```

[2] Add a ChiefJailer

[3] Add a Cook

[4] Add a Doctor

[0] Return Back

Answer: 3

Enter ID as a 5 digit Number: 10345

Enter name: Love

Enter Surname: Quinn

Enter Password: password1

Enter blood Group: ab+

Enter Last Control Result: healthy

Enter Height: 170

Enter weight: 95

Enter pulse: 95

Enter Shift Time(daytime,evening,night): daytime

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: Monday

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: Sunday

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: Saturday

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: Friday

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: Thursday

Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit

Day: exit

Enter block(A/B1/B2): B1

Enter Floor(0,1): 1

T13

```
Answer: 1
Please choose one:
-----
[1] Add a Jailer
-----
[2] Add a ChiefJailer
-----
[3] Add a Cook
-----
[4] Add a Doctor
-----
[0] Return Back
-----
Answer: 1
Enter ID as a 5 digit Number: 10567
Enter name: Rosa
Enter Surname: Diaz
Enter Password: password5
Enter blood Group: A-
Enter Last Control Result: good
Enter Height: 167
Enter weight: 60
Enter pulse: 80
Enter Shift Time(daytime,evening,night): night
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Friday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Saturday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: exit
Enter block(A/B1/B2): A
Enter Floor(0,1): 0
Personnel was added!
```

T14

```
Answer: 1
Please choose one:
-----
[1] Add a Jailer
-----
[2] Add a ChiefJailer
-----
[3] Add a Cook
-----
[4] Add a Doctor
-----
[0] Return Back
-----
Answer: 1
Enter ID as a 5 digit Number: 1056
ID should be 5 digit!
Enter ID as a 5 digit Number:
```

T15

```
Answer: 1
Please choose one:
-----
[1] Add a Jailer
-----
[2] Add a ChiefJailer
-----
[3] Add a Cook
-----
[4] Add a Doctor
-----
[0] Return Back
-----
Answer: 4
Enter ID as a 5 digit Number: 10456
Enter name: Mehmet
Enter Surname: Öz
Enter Password: password4
Enter blood Group: B+
Enter Last Control Result: good
Enter Height: 190
Enter weight: 80
Enter pulse: 76
Enter Shift Time(daytime,evening,night): daytime
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Monday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Tuesday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Wednesday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: exit
Enter block(A/B1/B2): B1
Enter Floor(0,1): 1
Personnel was added!
```

T16

```
-----
Answer: 1
Please choose one:
-----
[1] Add a Jailer
-----
[2] Add a ChiefJailer
-----
[3] Add a Cook
-----
[4] Add a Doctor
-----
[0] Return Back
-----
Answer: 4
Enter ID as a 5 digit Number: 1045
ID should be 5 digit!
Enter ID as a 5 digit Number:
```

T17

```
[1] Add a Jailer
[2] Add a ChiefJailer
[3] Add a Cook
[4] Add a Doctor
[0] Return Back

Answer: 2
Enter ID as a 5 digit Number: 12345
Enter name: Jake
Enter Surname: Peralta
Enter Password: password6
Enter blood Group: AB+
Enter Last Control Result: good
Enter Height: 185
Enter weight: 78
Enter pulse: 82
Enter Shift Time(daytime,evening,night): evening
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Thursday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: Sunday
Enter shift days(Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday) to back enter exit
Day: exit
Enter block(A/B1/B2): B2
Enter Floor(0,1): 0
Personnel was added!
```

T18

```
Answer: 1
Please choose one:
[1] Add a Jailer
[2] Add a ChiefJailer
[3] Add a Cook
[4] Add a Doctor
[0] Return Back

Answer: 2
Enter ID as a 5 digit Number: 1234
ID should be 5 digit!
Enter ID as a 5 digit Number:
```

T19

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 2
Enter ID of Personnel to exit enter -1: 14100
Personnel was removed!
```

T20

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 2
Enter ID of Personnel to exit enter -1: 19453
Personnel was not found!
```

T21

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 3
Enter ID of Personnel to exit enter -1: 13100
Enter the information of the personnel to be updated!
Enter ID as a 5 digit Number: 13400
Enter name: Deniz
Enter Surname: Demirel
Enter Password: password12
Enter blood Group: B+
Enter Last Control Result: good
```

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 3
Enter ID of Personnel to exit enter -1: 12098
Personnel was not found!
```

T23

```
What do you want to do?  
-----  
[1] Add a Personnel  
-----  
[2] Delete a Personnel  
-----  
[3] Update a Personnel  
-----  
[4] Add an Inmate  
-----  
[5] Remove an Inmate  
-----  
[6] Update an Inmate  
-----  
[7] Add a daily to-do  
-----  
[8] Remove a daily to-do  
-----  
[9] Add Urgent Todo  
-----  
[10] Print Last Menu  
-----  
[11] Print All Personnels  
-----  
[12] Print All Inmates  
-----  
[13] Print All To-do's  
-----  
[0] Main Menu.  
-----  
Answer: 7  
Enter Job to add: Health Control  
Enter personnel ID for ToDo: 13400  
This job has been added to the to-do.
```

Welcome Governor akif kartal

What do you want to do?

[1] Add a Personnel

[2] Delete a Personnel

[3] Update a Personnel

[4] Add an Inmate

[5] Remove an Inmate

[6] Update an Inmate

[7] Add a daily to-do

[8] Remove a daily to-do

[9] Add Urgent Todo

[10] Print Last Menu

[11] Print All Personnels

[12] Print All Inmates

[13] Print All To-do's

[0] Main Menu.

Answer: 8

Enter Job to remove: check

This todo has been removed from todo list.

T24

T25

```
Welcome Governor akif kartal
-----
What do you want to do?
-----
[1] Add a Personnel
-----
[2] Delete a Personnel
-----
[3] Update a Personnel
-----
[4] Add an Inmate
-----
[5] Remove an Inmate
-----
[6] Update an Inmate
-----
[7] Add a daily to-do
-----
[8] Remove a daily to-do
-----
[9] Add Urgent Todo
-----
[10] Print Last Menu
-----
[11] Print All Personnels
-----
[12] Print All Inmates
-----
[13] Print All To-do's
-----
[0] Main Menu.

Answer: 9
Enter Job to add: health control
Enter personnel ID for ToDo: 11100
This urgent todo has been added to the to-do.
```

```
2 -----
3   Welcome to Prison Management System
4 -----
5   [1] Login.
6 -----
7   [2] Check Prison Status.
8 -----
9   [0] Exit.
10 -----
11 Answer: 1
12 Enter your ID as Number: 99998
13 Enter your Password: 1234akif
14 -----
15   Welcome Chief Jailer hasan ahmet
16 -----
17   What Do you want to do ?
18 -----
19   [0] Main Menu.
20 -----
21   [1] Check Last census
22 -----
```

```

122 Enter inmate id:
123 10000
124 -----
125 Enter name:
126 Fadime
127 -----
128 Enter surname:
129 Kir
130 -----
131 Enter TC number:
132 11119
133 -----
134 Enter telephone number of visitor:

```

T27

```

135 5438887675
136 -----
137 Enter date:
138 12.12.12
139 -----
140 Enter entrance time:
141 12.12
142 -----
143 ***All Visitors in the system***
144 -----
145 Inmates and Visitors:
146 [1] ali kara
147     Visitors:
148     [1] Visitor{name='fatih', surname='bahar', tcNumber='11111', inmateNumber=10000
149         , telephoneNumber='5', date='11', entranceTime='10:45', exitTime='11:30'}
150     [2] Visitor{name='ali', surname='bahar', tcNumber='111112', inmateNumber=10000
151         , telephoneNumber='5', date='11', entranceTime='11:45' exitTime='12:30'}
150     [3] Visitor{name='Fadime', surname='Kir', tcNumber='111119', inmateNumber=10000
152         , telephoneNumber='5438887675', date='12.12.12', entranceTime='12.12', exitTime='
153             Not assigned'}
151 [2] ahmet akçe
152     Visitors:
153     [1] Visitor{name='yusuf', surname='bahar', tcNumber='111113', inmateNumber=
154         20000, telephoneNumber='5', date='11', entranceTime='12:45', exitTime='13:30'}
154     [2] Visitor{name='Hanife', surname='Gul', tcNumber='111114', inmateNumber=20000
155         , telephoneNumber='5', date='11', entranceTime='12:45', exitTime='13:30'}
155

```

```

192 -----
193 Enter Visitor's TC number:
194 111114
195 ***All Visitors in the system***
196 -----
197 Inmates and Visitors:

```

T28

```

198 [1] ali kara
199     Visitors:
200     [1] Visitor{name='fatih', surname='bahar', tcNumber='11111', inmateNumber=10000
201         , telephoneNumber='5', date='11', entranceTime='10:45', exitTime='11:30'}
201     [2] Visitor{name='ali', surname='bahar', tcNumber='111112', inmateNumber=10000
202         , telephoneNumber='5', date='11', entranceTime='11:45', exitTime='12:30'}
202     [3] Visitor{name='Fadime', surname='Kir', tcNumber='111119', inmateNumber=10000
203         , telephoneNumber='5438887675', date='12.12.12', entranceTime='12.12', exitTime='
203             Not assigned'}
203 [2] ahmet akçe
204     Visitors:
205     [1] Visitor{name='yusuf', surname='bahar', tcNumber='111113', inmateNumber=
206         20000, telephoneNumber='5', date='11', entranceTime='12:45', exitTime='13:30'}
206

```

T29

399 Enter visitor TC:

```
400 11119
401 -----
402 Enter exit time:
403 17.12
404 ***All Visitors in the system***
405 -----
406 Inmates and Visitors:
407 [1] ali kara
408   Visitors:
409     [1] Visitor{name='fatih', surname='bahar', tcNumber='11111', inmateNumber=10000
        , telephoneNumber='5', date='11', entranceTime='10:45', exitTime='11:30'}
410     [2] Visitor{name='ali', surname='bahar', tcNumber='111112', inmateNumber=10000
        , telephoneNumber='5', date='11', entranceTime='11:45', exitTime='12:30'}
411     [3] Visitor{name='Fadime', surname='Kir', tcNumber='11119', inmateNumber=10000
        , telephoneNumber='5438887675', date='12.12.12', entranceTime='12.12', exitTime='17
        .12'}
412 [2] ahmet akçe
413   Visitors:
414     [1] Visitor{name='yusuf', surname='bahar', tcNumber='111113', inmateNumber=
        20000, telephoneNumber='5', date='11', entranceTime='12:45', exitTime='13:30'}
415 -----
```

T30

```
685 -----
686   [12] Get department
687 -----
688   [13] Set shift our.
689 -----
690   [14] Set department
691 -----
692 Answer: 13
693 Enter the ID of the jailer:
694 99999
695 Enter the new working days:
696 Not a valid day! Enter again!
697 Enter the new working days:
698 Sunday
699 Enter the new working days:
700 Monday
701 Enter the new working days:
702 -
703 Not a valid day! Enter again!
704 -----
705   Choose a shift time:
706 -----
707   [1] Daytime - 08.00 - 16.00
708 -----
709   [2] Evening - 16.00 - 00.00
710 -----
711   [3] Night - 00.00 - 08.00
712 -----
713   2
714 -----
```

Check with getShiftHour

```
748 -----
749 Answer: 11
750 Enter id:
751 99999
752 Working Days:
753 -----
754
755 Sunday
756 Monday
757
758 Shift; evening
759 -----
```

```
788      [12] Get department
789 -----
790      [13] Set shift our.
791 -----
792      [14] Set department
793 -----
794 Answer: 14
795 -----
796 Enter the Jailer's id:
797 99999
798 Enter new workplace's block(A/B1/B2):
799 A
800 Enter new workplace's floor(0/1):
801 0
802 -----
```

Check with getDepartment

```
829      [11] Get shift our
830 -----
831      [12] Get department
832 -----
833      [13] Set shift our.
834 -----
835      [14] Set department
836 -----
837 Answer: 12
838 Enter id:
839 99999
840 Department:
841 -----
842
843 Work Place information:
844     Block= A
845     Floor=0
846
847 -----
```

T31

```
\000\prisonManagement\prisonManagement.com.prj\output\main
2 -----
3      Welcome to Prison Management System
4 -----
5      [1] Login.
6 -----
7      [2] Check Prison Status.
8 -----
9      [0] Exit.
10 -----
11 Answer: 1
12 Enter your ID as Number: 99999
13 Enter your Password: 1234akif
14 -----
```

T32

```
2 -----
3   Welcome to Prison Management System
4 -----
5   [1] Login.
6 -----
7   [2] Check Prison Status.
8 -----
9   [0] Exit.
10 -----
11 Answer: 1
12 Enter your ID as Number: 99999
13 Enter your Password: 1234akif
14 -----
15   Welcome Jailer ali veli
16 -----
17   What Do you want to do ?
18 -----
19   [0] Main Menu.
20 -----
21   [1] Check Last census
22 -----
23   [2] Add new Census
24 -----
25   [3] Delete Last Census
26 -----
27   [4] Set Alert
28 -----
29   [5] Undo Alert
30 -----
31   [6] Get a prisoner
32 -----
33   [7] Get shift our
34 -----
35   [8] Get department
36 -----
37   [9] Add Health Appointment
38 -----
39   [10] Delete Health Appointment
```

```
40 -----
41   Answer: 1
42 No Last Census
43 -----
```

T33

T33

```
2 -----
3     Welcome to Prison Management System
4 -----
5     [1] Login.
6 -----
7     [2] Check Prison Status.
8 -----
9     [0] Exit.
10 -----
11 Answer: 1
12 Enter your ID as Number: 99999
13 Enter your Password: 1234akif
14 -----
15     Welcome Jailer ali veli
16 -----
17     What Do you want to do ?
18 -----
19     [0] Main Menu.
20 -----
21     [1] Check Last census
22 -----
23     [2] Add new Census
24 -----
25     [3] Delete Last Census
26 -----
27     [4] Set Alert
28 -----
29     [5] Undo Alert
30 -----
31     [6] Get a prisoner
32 -----
33     [7] Get shift our
34 -----
35     [8] Get department
36 -----
37     [9] Add Health Appointment
38 -----
39     [10] Delete Health Appointment
```

```
69 -----
70     Answer: 2
71 Enter number of Inmate: 100
72 Census info was Added with today's date.
73 -----
```

```
99 -----
100    Answer: 1
101 DailyInmateCensus{number0fInmate=100, date=24.06.2020 18:53}
102 -----
```

T37

```
/usr/lib/jvm/java-12.0.1/bin/java -javaagent:/home/  
-----  
Welcome to Prison Management System  
-----  
[1] Login.  
-----  
[2] Check Prison Status.  
-----  
[0] Exit.  
-----  
Answer: 1  
Enter your ID as Number: 14100  
Enter your Password: 1234akif  
-----  
Welcome Doctor yasin kartal  
-----  
What Do you want to do ?  
-----  
[1] Get next appointment  
-----  
[2] Print Last Menu  
-----  
[3] Check My Todo  
-----  
[0] Main Menu  
Version Control Terminal 0: Messages 4: Run :::  
I completed successfully in 1 s 793 ms (moments ago)
```

T38

```
What Do you want to do ?  
-----  
[1] Get next appointment  
-----  
[2] Print Last Menu  
-----  
[3] Check My Todo  
-----  
[0] Main Menu.
```

```
Answer: 1
```

```
Welcome Doctor yasin kartal
```

```
What do you want to do?
```

```
[1] Get inmate's blood group  
-----  
[2] Set inmate's blood group.  
-----  
[3] Check last control's result
```

T39

```
Answer: 1  
Inamte's blood group is: ab-  
-----  
Welcome Doctor yasin kartal  
-----  
What do you want to do?  
-----  
[1] Get inmate's blood group  
-----  
[2] Set inmate's blood group.  
-----  
[3] Check last control's result  
-----  
[4] Set new control's result  
-----  
[5] Get inmate's height  
-----  
[6] Set inmate's height  
-----  
[7] Get inmate's weight  
-----  
[8] Set inmate's weight  
-----  
[9] Get inmate's Pulse  
-----  
[10] Set inmate's Pulse  
-----  
[11] Get next patient  
-----  
[0] Main Menu.
```

T40

```
... IntelliJ IDEA Community Edition ... Wed 01:35 ...
projec_code_final [-] Desktop [data_project] CSE-222-PROJECT [Final Report] projec_code_final [-] .../personnel.txt [projec_code] - IntelliJ IDEA
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Run Main Git Q
projec_code_final personnel.txt
SimpleXML
Project Run Main
[0] Get inmate's Pulse
[10] Set inmate's Pulse
[11] Get next patient
[0] Main Menu.
Answer:
Enter new blood group:
ab-
Welcome Doctor yasin kartal
What do you want to do?
[1] Get inmate's blood group
[2] Set inmate's blood group.
[3] Check last control's result
[4] Set new control's result
[5] Get inmate's height
[6] Set inmate's height
[7] Get inmate's weight
[8] Set inmate's weight
[9] Get inmate's Pulse
[10] Set inmate's Pulse
[11] Get next patient
[0] Main Menu.
Answer:
```

Answer: 1
Inamte's blood group is: ab-

Welcome Doctor yasin kartal

What do you want to do?

- [1] Get inmate's blood group
- [2] Set inmate's blood group.
- [3] Check last control's result
- [4] Set new control's result
- [5] Get inmate's height
- [6] Set inmate's height
- [7] Get inmate's weight
- [8] Set inmate's weight
- [9] Get inmate's Pulse
- [10] Set inmate's Pulse
- [11] Get next patient
- [0] Main Menu.

T41

T42

Answer: 3
Last control's results:
good

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

[0] Main Menu.

T43

Answer: 4
Enter new control's result
fair

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

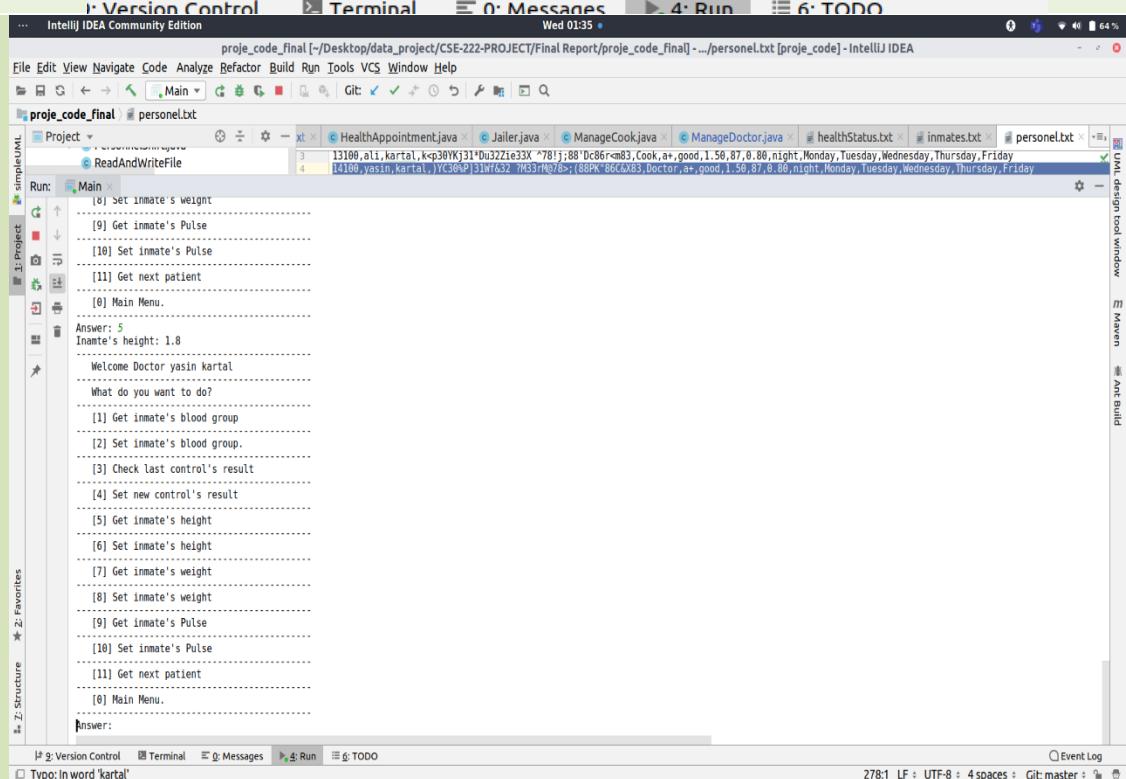
[0] Main Menu.

Answer:

T44

```
[0] Main Menu.  
-----  
Answer: 3  
Last control's results:  
fair  
-----  
Welcome Doctor yasin kartal  
-----  
What do you want to do?  
-----  
[1] Get inmate's blood group  
-----  
[2] Set inmate's blood group.  
-----  
[3] Check last control's result  
-----  
[4] Set new control's result  
-----  
[5] Get inmate's height  
-----  
[6] Set inmate's height  
-----  
[7] Get inmate's weight  
-----  
[8] Set inmate's weight  
-----  
[9] Get inmate's Pulse  
-----  
[10] Set inmate's Pulse  
-----  
[11] Get next patient  
-----  
[0] Main Menu.  
-----  
Answer:
```

T45



```
I Version Control Terminal Messages Run TODO  
... IntelliJ IDEA Community Edition Wed 01:35  
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help  
Main Git  
proje_code_final personel.txt  
Project simpleUML 1-Project Z-Structure Favorites  
Run: Main  
-----  
[8] set inmate's weight  
[9] Get inmate's Pulse  
[10] Set inmate's Pulse  
[11] Get next patient  
[0] Main Menu.  
-----  
Answer: 5  
Inmate's height: 1.8  
Welcome Doctor yasin kartal  
-----  
What do you want to do?  
-----  
[1] Get inmate's blood group  
-----  
[2] Set inmate's blood group.  
-----  
[3] Check last control's result  
-----  
[4] Set new control's result  
-----  
[5] Get inmate's height  
-----  
[6] Set inmate's height  
-----  
[7] Get inmate's weight  
-----  
[8] Set inmate's weight  
-----  
[9] Get inmate's Pulse  
-----  
[10] Set inmate's Pulse  
-----  
[11] Get next patient  
-----  
[0] Main Menu.  
-----  
Answer:
```

T46

[0] Main menu.
Answer: 6
Enter new height(m)
1.81

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

T47

Answer: 5
Inamte's height: 1.81

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

T48

Answer: 7
Inamte's weight is 91.0kg

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

[0] Main Menu.

Answer: 8
Enter new weight:
87

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

T49

T50

[11] Get next patient

[0] Main Menu.

Answer: 7
Inamte's weight is 87.0kg

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

1: Version Control 2: Terminal 3: Messages 4: Run 5: TODO

T51

Answer: 9
Inmate's pulse is: 0.91

Welcome Doctor yasin kartal

What do you want to do?

[1] Get inmate's blood group

[2] Set inmate's blood group.

[3] Check last control's result

[4] Set new control's result

[5] Get inmate's height

[6] Set inmate's height

[7] Get inmate's weight

[8] Set inmate's weight

[9] Get inmate's Pulse

[10] Set inmate's Pulse

[11] Get next patient

[0] Main Menu.

Answer:

T52

```
Answer: 10
Enter new pulse
120
-----
    Welcome Doctor yasin kartal
-----
    What do you want to do?
-----
    [1] Get inmate's blood group
-----
    [2] Set inmate's blood group.
-----
    [3] Check last control's result
-----
    [4] Set new control's result
-----
    [5] Get inmate's height
-----
    [6] Set inmate's height
-----
    [7] Get inmate's weight
-----
    [8] Set inmate's weight
-----
    [9] Get inmate's Pulse
-----
    [10] Set inmate's Pulse
-----
    [11] Get next patient
-----
    [0] Main Menu.

Answer:
```

1: Version Control 2: Terminal 3: Messages 4: Run 5: TODO

Project ▾ PERSONAL PROJECTS
 c ReadAndWriteFile
 3 13
 4 14

Main

 [10] Set inmate's Pulse

 [11] Get next patient

 [0] Main Menu.

Answer: 12
Please enter a number between 0 and 11: 0
Going back to main menu...

 Welcome Doctor yasin kartal

 What Do you want to do ?

 [1] Get next appointment

 [2] Print Last Menu

 [3] Check My Todo

 [0] Main Menu.

T53

T54

```
Answer: 12
Please enter a number between 0 and 11: 0
Going back to main menu...
-----
Welcome Doctor yasin kartal
-----
What Do you want to do ?
-----
[1] Get next appointment
-----
[2] Print Last Menu
-----
[3] Check My Todo
-----
[0] Main Menu.

Answer: 2
Wednesday - breakfast
zeytin
peynir
recel
-----
Welcome Doctor yasin kartal
-----
What Do you want to do ?
-----
[1] Get next appointment
-----
[2] Print Last Menu
-----
[3] Check My Todo
-----
[0] Main Menu.

Answer:
```

9: Version Control 10: In word 'kartal' 2: Terminal 3: Messages 4: Run 5: TODO

T55

```
c ReadAndWriteFile
Main ×
[0] Main Menu.

Answer: 1
No new health appointments
-----
Welcome Doctor yasin kartal
-----
What Do you want to do ?
-----
[1] Get next appointment
-----
[2] Print Last Menu
-----
[3] Check My Todo
-----
[0] Main Menu.
```

Welcome to Prison Management System

[1] Login.

[2] Check Prison Status.

[0] Exit.

Answer: 1

Enter your ID as Number: 13100

Enter your Password: 1234akif

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

```
-----  
[6] Print All Menu  
-----  
[7] Check My Todo  
-----  
[0] Main Menu.  
-----  
Answer: 6  
Monday - breakfast  
zeytin  
peynir  
recel  
  
Monday - lunch  
mercimek corbasi  
pilav  
turlu  
  
Tuesday - breakfast  
zeytin  
peynir  
recel  
  
Sunday - breakfast  
zeytin  
peynir  
recel
```

Sunday - dinner

ezogelin

makarna

tavuk

Wednesday - breakfast

zeytin

peynir

recel

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

```
[0] Main Menu.  
-----  
Answer: 1  
enter day : Tuesday  
enter meal name (Breakfast, lunch or dinner : Lunch  
enter add food or [0] for back : yayla  
enter add food or [0] for back : makarna  
enter add food or [0] for back : patlican  
enter add food or [0] for back : 0  
-----  
Welcome Cook ali kartal  
-----  
What Do you want to do ?  
-----  
[1] Add Daily Food Menu  
-----  
[2] Change Menu  
-----  
[3] Delete Menu  
-----  
[4] Delete All week  
-----  
[5] Print Last Menu  
-----  
[6] Print All Menu
```

[7] Check My Todo

[0] Main Menu.

Answer: 2

enter day wanted to change : *monday*

enter meal name (Breakfast, lunch or dinner : *breakfast*

enter add food or [0] for back : *poagaca*

enter add food or [0] for back : *simit*

enter add food or [0] for back : *cay*

enter add food or [0] for back : 0

Succesful!

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 3

enter day : *sunday*

[1] Delete all day

[2] delete just 1 meal press

[0] Back

Answer: 1

Succesfull!

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 6

monday - breakfast

poagaca

simit

cay

Monday - lunch

mercimek corbasi

pilav

turlu

Tuesday - breakfast

zeytin

peynir

recel

Wednesday - breakfast

zeytin

peynir

recel

T61

Tuesday - lunch

yayla

makarna

patlican

Friday - dinner

ezogelin

mantar

bulgur

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 5

Friday - dinner

ezogelin

mantar

bulgur

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 3

enter day : *Monday*

[1] Delete all day

[2] delete just 1 meal press

[0] Back

Answer: 2

enter meal name : *Lunch*

Succesful!

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 6

monday - breakfast
poagaca
simit
cay

Tuesday - breakfast
zeytin
peynir
recel

Wednesday - breakfast
zeytin
peynir
recel

Tuesday - lunch
yayla
makarna
patlican

T64

Friday - dinner
ezogelin
mantar
bulgur

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 4

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 6

Welcome Cook ali kartal

What Do you want to do ?

[1] Add Daily Food Menu

T64

[2] Change Menu

[3] Delete Menu

[4] Delete All week

[5] Print Last Menu

[6] Print All Menu

[7] Check My Todo

[0] Main Menu.

Answer: 0

Welcome to Prison Management System

[1] Login.

[2] Check Prison Status.

[0] Exit.

Answer: 0

T65

```
2 -----  
3     Welcome to Prison Management System  
4 -----  
5     128 -----  
6     129     Answer: 3  
7     130 -----  
8 -----  
9     [0] Exit.  
10 -----  
11 Answer: 1  
12 Enter your ID as Number: 99999  
13 Enter your Password: 1234akif  
14 -----  
15     Welcome Jailer ali veli  
16 -----  
17     What Do you want to do ?  
18 -----  
19     [0] Main Menu.  
20 -----  
21     [1] Check Last census  
22 -----  
23     [2] Add new Census  
24 -----  
25     [3] Delete Last Census  
26 -----  
27     [4] Set Alert  
28 -----  
29     [5] Undo Alert  
30 -----  
31     [6] Get a prisoner  
32 -----  
33     [7] Get shift our  
34 -----  
35     [8] Get department  
36 -----  
37     [9] Add Health Appointment  
38 -----  
39     [10] Delete Health Appointment
```

T66

```
185 -----  
186     Answer: 4  
187 -----
```

```
213 -----  
214     Answer: 5  
215 -----
```

T67-
T68

```
2 -----  
3     Welcome to Prison Management System  
4 -----  
5     [1] Login.  
6 -----  
7     [2] Check Prison Status.  
8 -----  
9     [0] Exit.  
10 -----  
11 275 -----  
12 276 Enter ID of the prison:  
13 277 12000  
14 278 java.lang.NullPointerException  
15 279 -----  
16 279 [0] Main Menu.  
17 -----  
18 279 [1] Check Last census  
19 -----  
20 279 [2] Add new Census  
21 -----  
22 279 [3] Delete Last Census  
23 -----  
24 279 [4] Set Alert  
25 -----  
26 279 [5] Undo Alert  
27 -----  
28 279 [6] Get a prisoner  
29 -----  
30 279 [7] Get shift our  
31 -----  
32 279 [8] Get department  
33 -----  
34 279 [9] Add Health Appointment  
35 -----  
36 279 [10] Delete Health Appointment
```

T69-
T70

```
2 -----
3   Welcome to Prison Management System
4 -----
5     [1] Login.
6 -----
7     [2] Check Prison Status.
8 -----
9     [0] Exit.
10 -----
11 Answer: 1
12 Enter your ID as Number: 99999
13 Enter your Password: 1234akif
14 -----
15   Welcome Jailer ali veli
16 -----
17   What Do you want to do ?
18 -----
19     [0] Main Menu.
20 -----
21     [1] Check Last census
22 -----
23     [2] Add new Census
24 -----
25     [3] Delete Last Census
26 -----
27     [4] Set Alert
28 -----
29     [5] Undo Alert
30 -----
31     [6] Get a prisoner
32 -----
33     [7] Get shift our
34 -----
35     [8] Get department
36 -----
37     [9] Add Health Appointment
38 -----
39     [10] Delete Health Appointment
```

```
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38 -----
39   [10] Delete Health Appointment
```

T71

```
318   Answer: 7
319 Enter id:
320 13
321 java.util.NoSuchElementException: No matching jailer found!
322 -----
```

```
323   Welcome to Prison Management System
324 -----
325   [1] Login.
326 -----
327   [2] Check Prison Status.
328 -----
329   [0] Exit.
330 -----
331 Answer:
```

```
396 -----
397     Answer: 8
398 Enter id:
399 99998
400 Department:
401 -----
402
403 Work Place information:
404     Block= B1
405     Floor=0
406
407 -----
```

```
433 -----
434     Answer: 8
435 555
436 Enter id:
437 13
438 java.util.NoSuchElementException: No matching jailer found!
439 -----
440     Welcome to Prison Management System
441 -----
442     [1] Login.
443 -----
444     [2] Check Prison Status.
445 -----
446     [0] Exit.
447 -----
```

```

2 -----
3   Welcome to Prison Management System
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12 Enter your ID as Number: 99999
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19   [0] Main Menu.
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21   [1] Check Last census
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35   [8] Get department
36 -----
37   [9] Add Health Appointment
38 -----
39   [10] Delete Health Appointment

```

```

477 -----
478   Answer: 9
479 Enter inmate id:
480 20000
481 -----
482 Appointment Id:
483 10000
484 -----
485 Enter explanation:
486 stomachache
487 -----
488 ***All Health Appointments in the system***
489 -----
490 HealthAppointment{date=11.06.2020, ownerID=10000, explanation='flu'}
491 HealthAppointment{date=24.06.2020 19:02, ownerID=20000, explanation='stomache'}
492 -----

```

T74

```
519 -----
520     Answer: 10
521 ***All Health Appointments in the system***
522 -----
523 HealthAppointment{date=24.06.2020 19:02, ownerID=20000, explanation='stomache'}
524 -----
525 -----
```

T75

```
551 -----
552     Answer: 0
553 -----
554     Welcome to Prison Management System
555 -----
556     [1] Login.
557 -----
558     [2] Check Prison Status.
559 -----
560     [0] Exit.
561 -----
562 Answer:
```

