

Software Requirements Specification

For Residential Security Aid ShiftStreamline Application

--Prepared by Group 6 Syracuse University CSE 687

April 8, 2024

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Figure 1

System Block Diagram 6

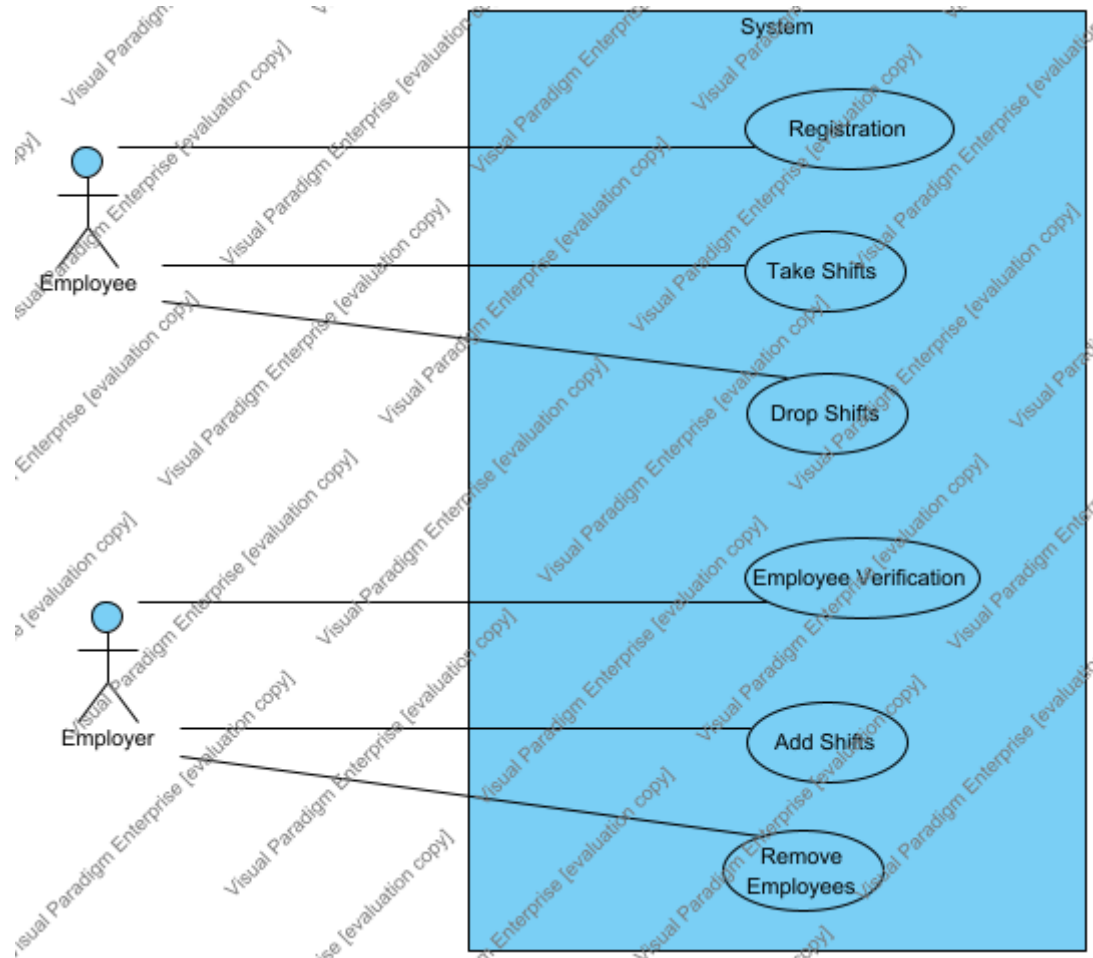
Figure 2

Use Case Diagram 8

Figure 1

Enter Available Ingredients Activity Diagram 11

1. System Use Case



2. Employee

ID: AC01

An individual who engages with the shift management system to manage their work schedule. The Employee has the ability to self-register, choose available shifts to work, and relinquish shifts if they can no longer fulfill them.

2.1. Properties

Abstract	false
Leaf	false
Root	false

2.2. Relationships

Relationship	From	To
— unnamed	Employee	Registration
— unnamed	Employee	Take Shifts
— unnamed	Employee	Drop Shifts

3. Employer







ID: AC03

A supervisory entity responsible for the oversight of shift allocation and personnel management within the system. The Employer can introduce new shifts into the system and has the authority to remove employees from the system database.

3.1. Properties

Abstract	false
Leaf	false
Root	false

3.2. Relationships







Relationship	From	To
— unnamed	 Employer	 Employee Verification
— unnamed	 Employer	 Add Shifts
— unnamed	 Employer	 Remove Employees

4. System

4.1. Properties

Abstract	false
Leaf	false
Root	false

4.2. Children Summary

Name	Description
 Add Shifts	Allows the employer to add new shifts to the schedule.
 Drop Shifts	Permits an employee to drop a shift they can no longer attend.
 Employee Verification	The system confirms the identity and eligibility of the employee to take or drop shifts.
 Registration	Allows an employee to register in the system to gain access to functionalities such as taking or dropping shifts.
 Remove Employees	Enables the employer to remove employees from the system.
 Take Shifts	Allows an employee to pick up available shifts.

5. Add Shifts

ID: UC05

Allows the employer to add new shifts to the schedule.

5.1. Primary Actors

 [Employer](#)

5.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Employer has access to the scheduling system.
Post-conditions	New shifts are available for employees to take.
Author	N/A
Assumptions	N/A

5.3. Scenarios

5.3.1. Scenario

1. Employer inputs the details of the new shifts into the system.

5.4. Requirements

5.4.1. Shift Creation Interface

ID: UC05.REQ001

Employers can add time and place according to specific requirements.







5.4.2. Shift Publication Confirmation

ID: UC05.REQ002

When you are adding a new shift , it will confirm with employee and employers

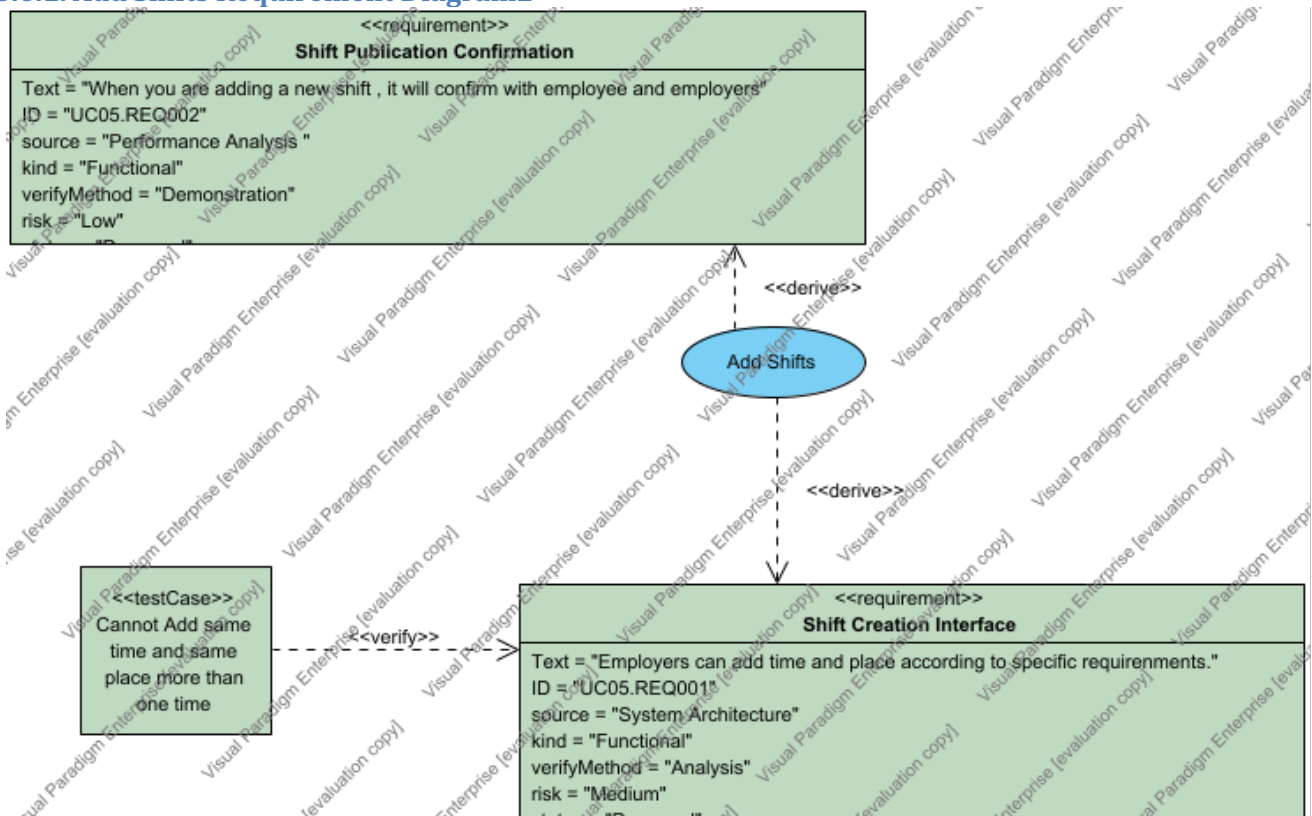
5.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
unnamed	 Add Shifts	 Shift Publication Confirmation
unnamed	 Add Shifts	 Shift Creation Interface
unnamed	 Employer	 Add Shifts

5.6. Sub Diagrams

5.6.1. Add Shifts Requirement Diagram2



5.7. Reference Diagrams

6. Drop Shifts

ID: UC03

Permits an employee to drop a shift they can no longer attend.

6.1. Primary Actors

 [Employee](#)

6.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Employee is scheduled for shifts.
Post-conditions	Shift is dropped and made available to others.

Author	N/A
--------	-----

Assumptions	N/A
-------------	-----

6.3. Scenarios

6.3.1. Scenario

- | |
|---|
| 1. Employee selects a scheduled shift and drops it. |
|---|

6.4. Requirements



6.4.1. Authorized Shift Dropping

ID: UC03.REQ001

Employees must be able to drop a shift they cannot attend, provided that the action is in compliance with the scheduling policy (e.g., notice given 24 hours in advance)



6.4.2. Shift Drop Confirmation

ID: UC03.REQ003

Employee should receive confirmation after dropping the shift.











6.4.3. Shift Replacement Proposal

ID: UC03.REQ002

When Employee drop shift, it should be available for next employee.

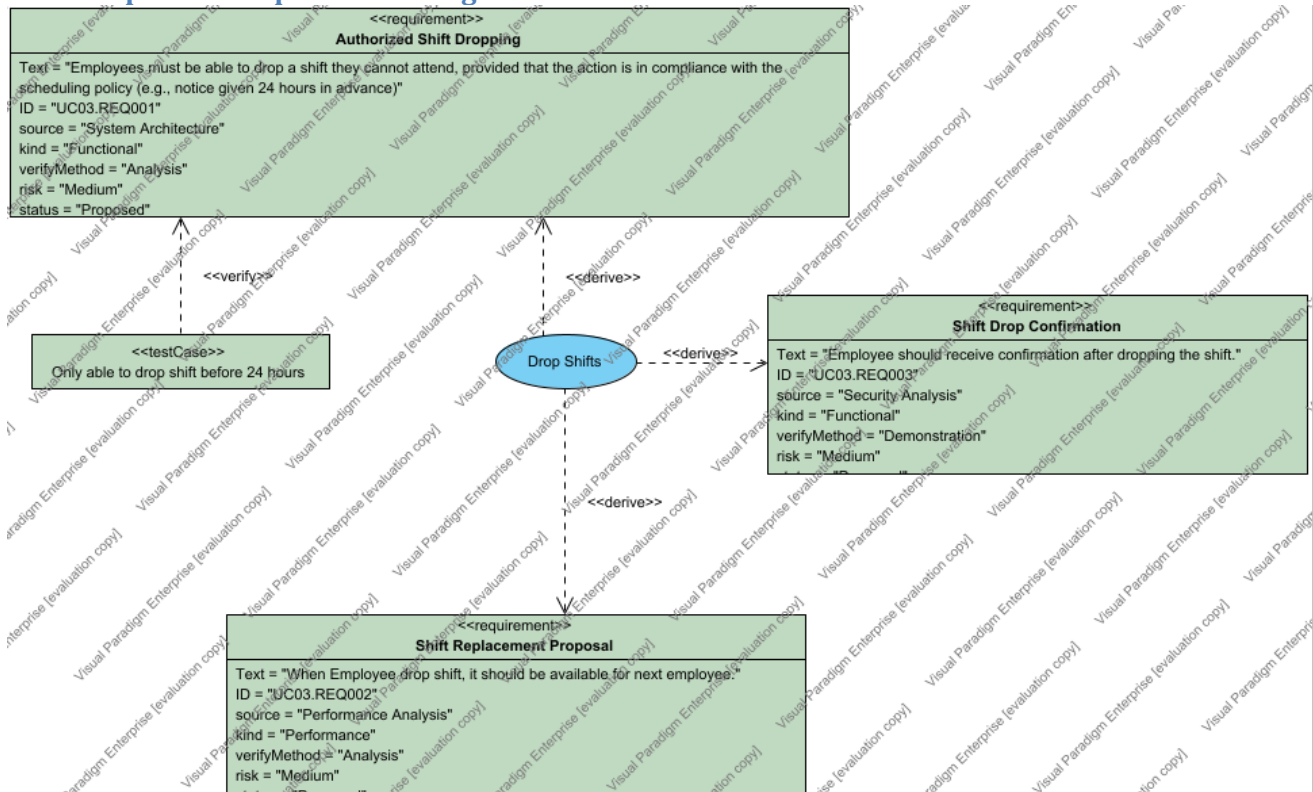
6.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
«d» unnamed	 Drop Shifts	 Authorized Shift Dropping
«d» unnamed	 Drop Shifts	 Shift Drop Confirmation
«d» unnamed	 Drop Shifts	 Shift Replacement Proposal
— unnamed	 Employee	 Drop Shifts

6.6. Sub Diagrams

6.6.1. Drop Shifts Requirement Diagram



6.7. Reference Diagrams

7. Employee Verification

ID: UC04

The system confirms the identity and eligibility of the employee to take or drop shifts.

7.1. Primary Actors

 [Employer](#)

7.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A

Preconditions	Employee is attempting to take or drop shifts.
Post-conditions	Employee's action on shifts is either permitted or denied based on verification.
Author	N/A
Assumptions	N/A

7.3. Scenarios

7.3.1. Scenario

1. The system automatically verifies the employee's credentials and eligibility.

7.4. Requirements



7.4.1. Add Employees to Payroll

ID: UC04.REQ002

Need to add Employees on the system so they will get their checks and payee.








7.4.2. Verify Employee Credentials

ID: UC04.REQ001

Employers must be able to verify the credentials of employees including work history.

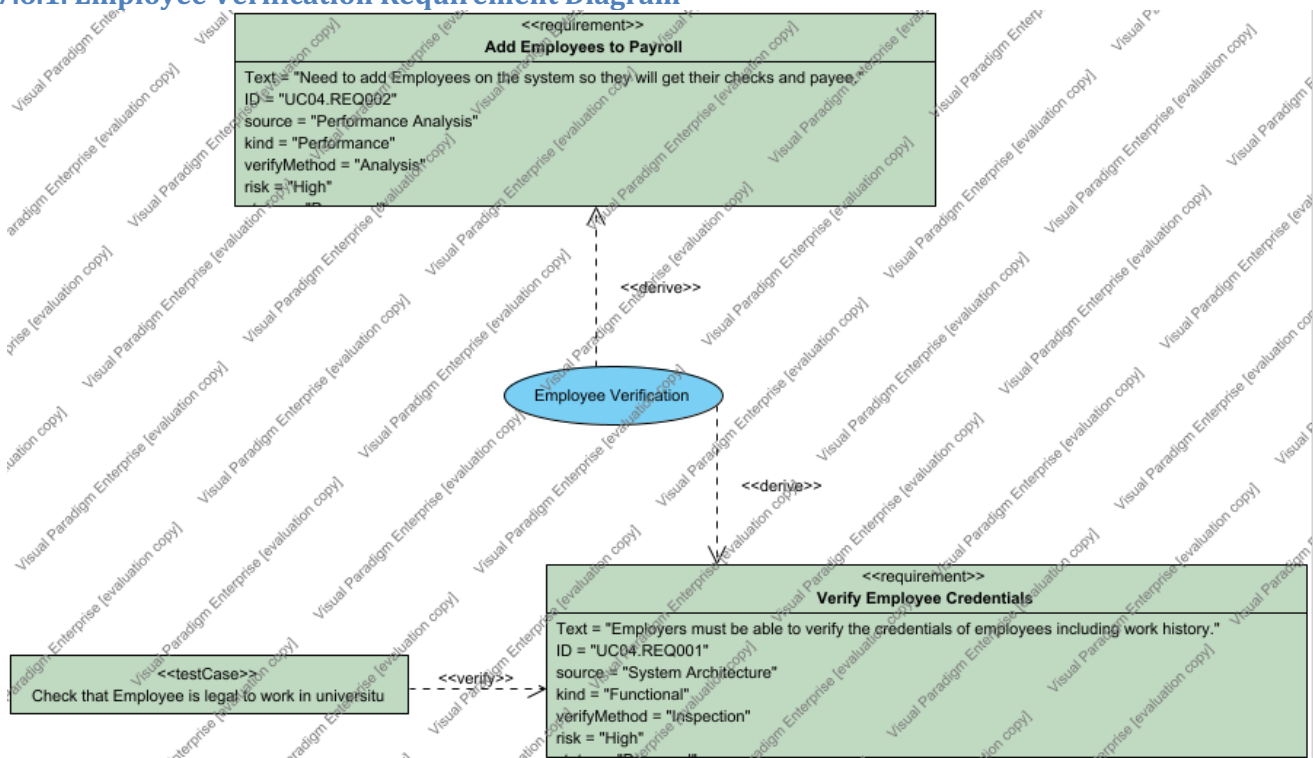
7.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
«d» unnamed	 Employee Verification	 Add Employees to Payroll
«d» unnamed	 Employee Verification	 Verify Employee Credentials
— unnamed	 Employer	 Employee Verification

7.6. Sub Diagrams

7.6.1. Employee Verification Requirement Diagram



7.7. Reference Diagrams

8. Registration

ID: UC01

Allows an employee to register in the system to gain access to functionalities such as taking or dropping shifts.

8.1. Primary Actors

 [Employee](#)

8.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Employee is not already registered.
Post-conditions	Employee is registered and can log into the system.

Author	N/A
Assumptions	N/A

8.3. Scenarios

8.3.1. Scenario

1. The system automatically verifies the employee's credentials and eligibility.

8.4. Requirements



8.4.1. Collect User Information

ID: UC01.REQ001

The system must provide a user-friendly form to collect essential information from the employee during the registration process.



8.4.2. Email Address Verification

ID: UC01.REQ002

The system must validate that the email address provided by the new user is unique and not already registered in the system.



8.4.3. Password Creation and validation

ID: UC01.REQ003

The registration process must enforce strong password creation rules to ensure the security of user accounts. Passwords must be at least 8 characters long, contain a mix of upper and lower case letters, numbers, and special characters.

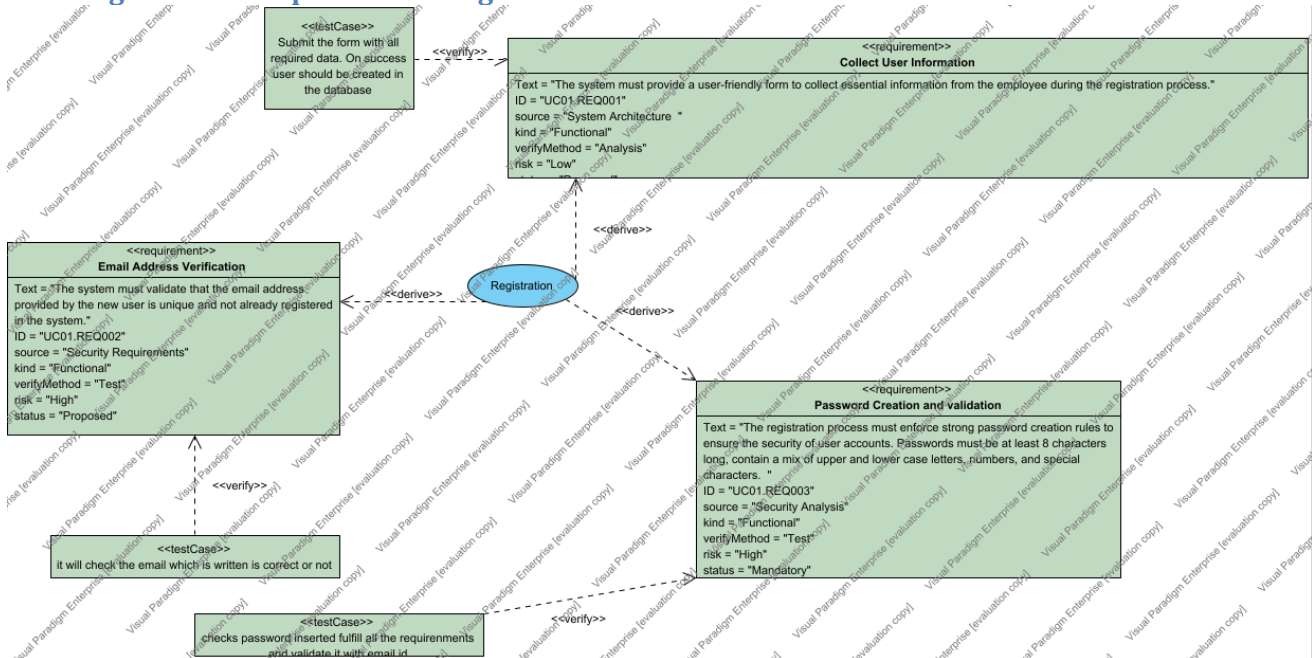
8.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
unnamed	Registration	Collect User Information
unnamed	Registration	Password Creation and validation
unnamed	Registration	Email Address Verification
unnamed	Employee	Registration

8.6. Sub Diagrams

8.6.1. Registration Requirement Diagram



8.7. Reference Diagrams

9. Remove Employees

ID: UC06

Enables the employer to remove employees from the system.

9.1. Primary Actors

[Employer](#)

9.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Employer decides an employee should no longer have access.
Post-conditions	Employee is removed and cannot log in or take shifts.
Author	N/A
Assumptions	N/A

9.3. Scenarios

9.3.1. Scenario

1. Employer selects an employee from the system and removes them.

9.4. Requirements



9.4.1. Available to Record Students points

ID: UC06.REQ002

If employee is late then they add points and record information.



9.4.2. Employee Removal Authorization

ID: UC06.REQ001

Employer has power to remove employees.



9.4.3. Remove Employee from Database

ID: UC06.REQ003

The name of Employer must be remove from Database

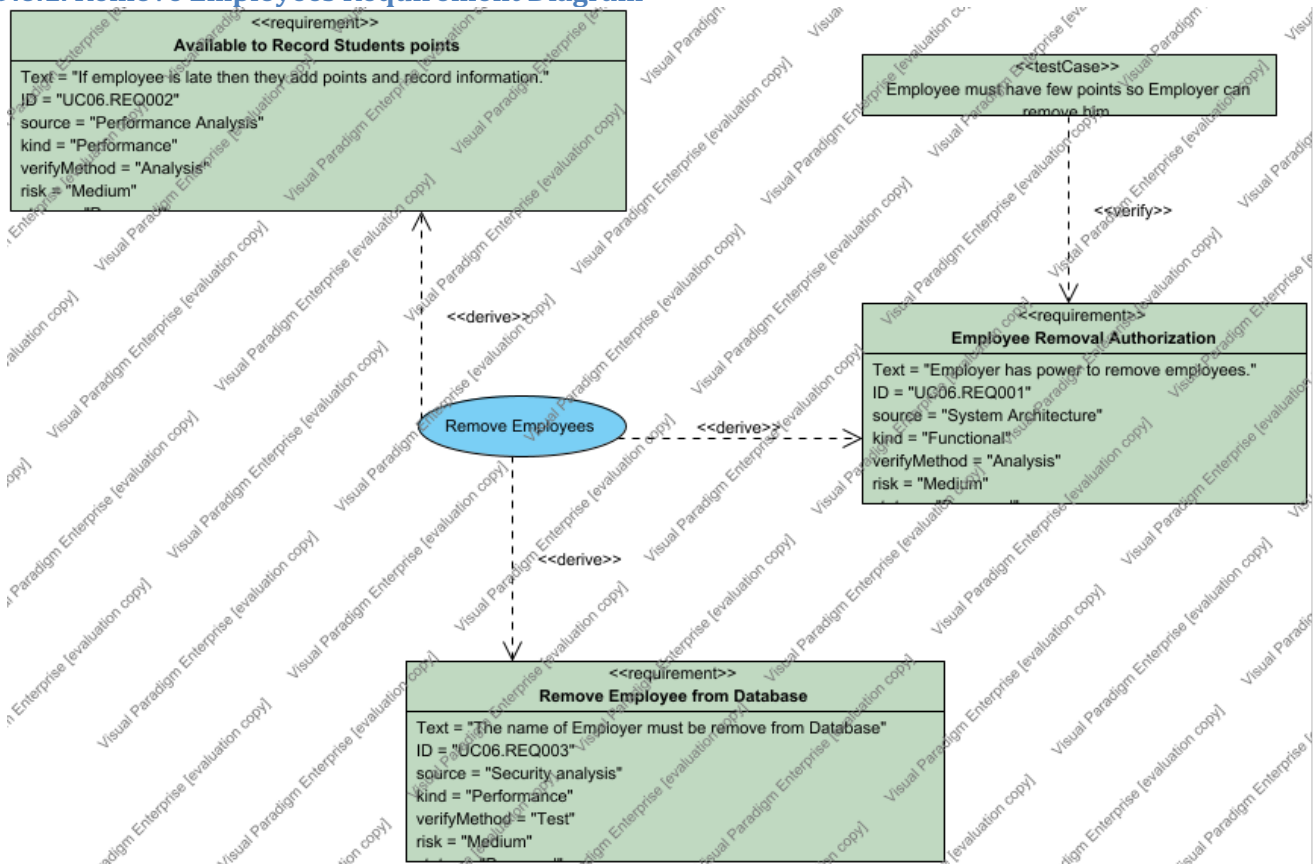
9.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
unnamed	Remove Employees	Available to Record Students points
unnamed	Remove Employees	Employee Removal Authorization
unnamed	Remove Employees	Remove Employee from Database
unnamed	Employer	Remove Employees

9.6. Sub Diagrams

9.6.1. Remove Employees Requirement Diagram



9.7. Reference Diagrams

10. Take Shifts

ID: UC02

Allows an employee to pick up available shifts.

10.1. Primary Actors

[Employee](#)

10.2. Details

Level	N/A
Complexity	N/A
Use Case Status	N/A

Implementation Status	N/A
Preconditions	Employee is registered and verified.
Post-conditions	Employee is scheduled for the selected shifts.
Author	N/A
Assumptions	N/A

10.3. Scenarios

10.3.1. Scenario

1. Employee views available shifts and selects the ones they wish to take.

10.4. Requirements



10.4.1. Shift Conflict Detection

ID: UC02.REQ002

The system must automatically detect and prevent an employee from taking shifts that conflict with their existing schedule.



10.4.2. Shift selection availability

ID: UC02.REQ001

Employees must be able to view and select available shifts for which they are qualified. The system should update the availability in real-time.



10.4.3. Shift Take Acknowledgment

ID: UC02.REQ003

Upon taking a shift, the system should confirm the action with the employee and update their schedule immediately.

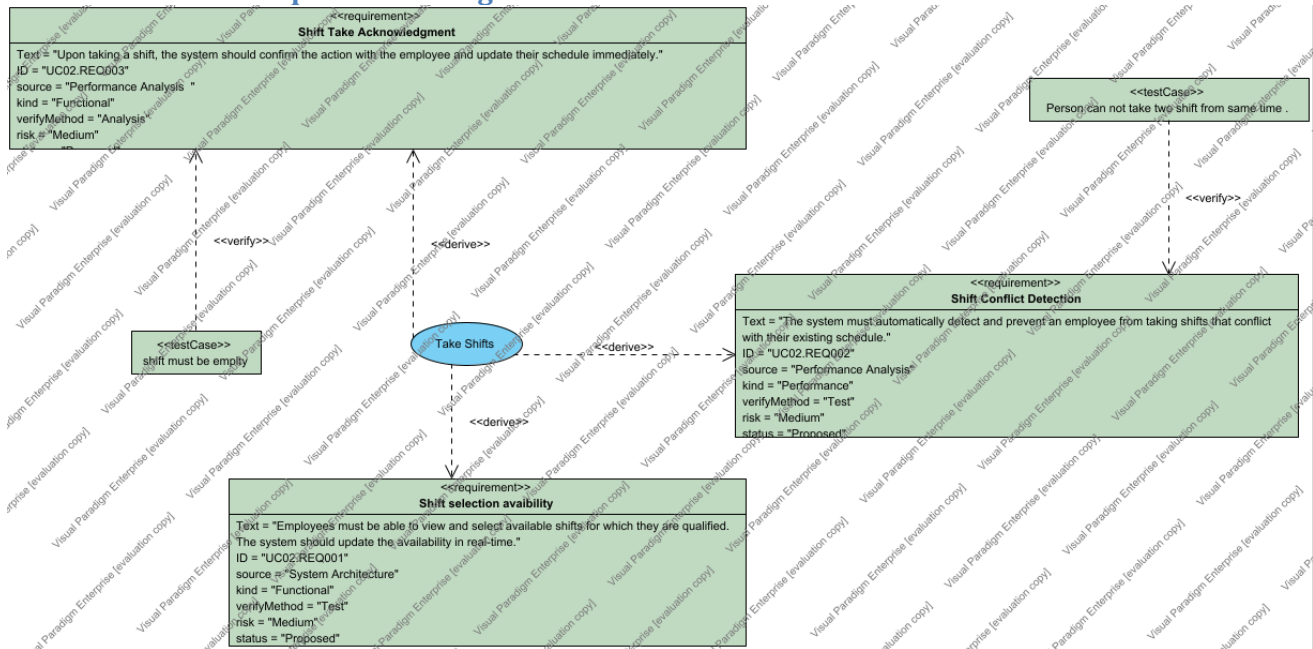
10.5. Relationships

Relationship	From	To
--------------	------	----

Relationship	From	To
unnamed	Take Shifts	Shift Take Acknowledgment
unnamed	Take Shifts	Shift Conflict Detection
unnamed	Take Shifts	Shift selection availability
unnamed	Employee	Take Shifts

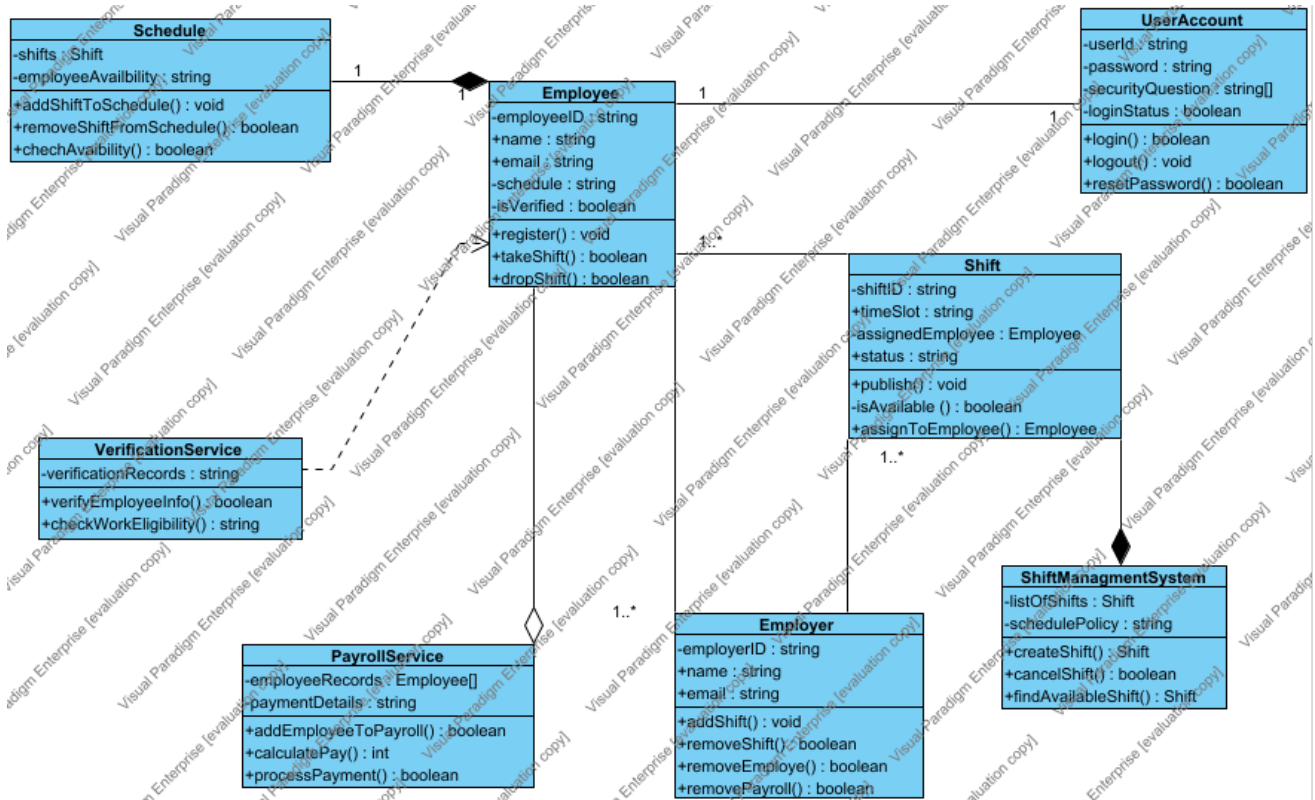
10.6. Sub Diagrams

10.6.1. Take Shifts Requirement Diagram



10.7. Reference Diagrams

11. Design Model Class Diagram



12. Employee

12.1. Properties




Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

12.2. Attributes Summary

Name	Description
email	
employeeID	
isVerified	
name	
schedule	

12.3. Operations Summary

Name	Description
------	-------------

Name	Description
 dropShift	
 register	
 takeShift	

12.4. Attributes

12.4.1. email

Visibility	public
Type	string

12.4.2. employeeID

Visibility	private
Type	string

12.4.3. isVerified

Visibility	private
Type	boolean

12.4.4. name

Visibility	public
Type	string

12.4.5. schedule

Visibility	private
Type	string

12.5. Operations

12.5.1. dropShift

Visibility	public
Return Type	boolean

12.5.2. register











Visibility	public
Return Type	void

12.5.3. takeShift

Visibility	public
Return Type	boolean

12.6. Relationships

Relationship	From	To
--------------	------	----




Relationship	From	To
— unnamed	 Employee	 Shift
— unnamed	 Employee	 UserAccount
— unnamed	 Employee	 Schedule
— unnamed	 Employer	 Employee
— unnamed	 PayrollService	 Employee

13. Employer





13.1. Properties

Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

13.2. Attributes Summary

Name	Description
 email	
 employerID	
 name	

13.3. Operations Summary

Name	Description
 addShift	
 removeEmployee	
 removePayroll	
 removeShift	

13.4. Attributes

13.4.1. email

Visibility	public
Type	string

13.4.2. employerID

Visibility	private
Type	string

13.4.3. name

Visibility	public
Type	string

13.5. Operations

13.5.1. addShift

Visibility	public
Return Type	void

13.5.2. removeEmployee

Visibility	public
Return Type	boolean





13.5.3. removePayroll

Visibility	public
Return Type	boolean

13.5.4. removeShift

Visibility	public
Return Type	boolean

13.6. Relationships

Relationship	From	To
— unnamed	 Employer	 Shift
— unnamed	 Employer	 Employee



14. PayrollService

14.1. Properties




Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

14.2. Attributes Summary

Name	Description
------	-------------

Name	Description
 employeeRecords	
 paymentDetails	

14.3. Operations Summary

Name	Description
 addEmployeeToPayroll	
 calculatePay	
 processPayment	

14.4. Attributes

14.4.1. employeeRecords

Visibility	private
Type	Employee[]

14.4.2. paymentDetails

Visibility	private
Type	string

14.5. Operations

14.5.1. addEmployeeToPayroll

Visibility	public
Return Type	boolean

14.5.2. calculatePay


Visibility	public
Return Type	int

14.5.3. processPayment

Visibility	public
Return Type	boolean

14.6. Relationships

Relationship	From	To
--------------	------	----



Relationship	From	To
— unnamed	 PayrollService	 Employee

15. Schedule




15.1. Properties

Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

15.2. Attributes Summary

Name	Description
 employeeAvailability	
 shifts	

15.3. Operations Summary

Name	Description
 addShiftToSchedule	
 checkAvailability	
 removeShiftFromSchedule	

15.4. Attributes

15.4.1. employeeAvailability

Visibility	private
Type	string

15.4.2. shifts

Visibility	private
Type	Shift

15.5. Operations

15.5.1. addShiftToSchedule

Visibility	public
Return Type	void

15.5.2. checkAvailability

Visibility	public
Return Type	boolean

15.5.3. removeShiftFromSchedule

Visibility	public
Return Type	boolean

15.6. Relationships

Relationship	From	To
— unnamed	 Employee	 Schedule

16. Shift

16.1. Properties

Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

16.2. Attributes Summary

Name	Description
------	-------------



assignedEmployee



shiftID



status



timeSlot

16.3. Operations Summary

Name	Description
------	-------------



assignToEmployee



isAvailable



publish

16.4. Attributes

16.4.1. assignedEmployee

Visibility	private
Type	Employee

16.4.2. shiftID

Visibility	private
Type	string

16.4.3. status

Visibility	public
Type	string

16.4.4. timeSlot

Visibility	public
Type	string

16.5. Operations

16.5.1. assignToEmployee

Visibility	public
Return Type	Employee

16.5.2. isAvailable

Visibility	private
Return Type	boolean

16.5.3. publish

Visibility	public
Return Type	void

16.6. Relationships

Relationship	From	To
— unnamed	 Employee	 Shift
— unnamed	 Employer	 Shift
— unnamed	 ShiftManagmentSystem	 Shift



17. ShiftManagmentSystem

17.1. Properties




Visibility	public
Abstract	false
Leaf	false
Root	false
Active	false

17.2. Attributes Summary

Name	Description
------	-------------

Name	Description
 listOfShifts	
 schedulePolicy	

17.3. Operations Summary

Name	Description
 cancelShift	
 createShift	
 findAvailableShift	

17.4. Attributes

17.4.1. listOfShifts

Visibility	private
Type	Shift

17.4.2. schedulePolicy

Visibility	private
Type	string

17.5. Operations

17.5.1. cancelShift

Visibility	public
Return Type	boolean

17.5.2. createShift

Visibility	public
Return Type	Shift

17.5.3. findAvailableShift

Visibility	public
Return Type	Shift

17.6. Relationships

Relationship	From	To
— unnamed	 ShiftManagmentSystem	 Shift





18. UserAccount

18.1. Properties




Visibility	public
Abstract	false

Leaf	false
Root	false
Active	false

18.2. Attributes Summary

Name	Description
 loginStatus	
 password	
 securityQuestion	
 userId	

18.3. Operations Summary

Name	Description
 login	
 logout	
 resetPassword	

18.4. Attributes

18.4.1. loginStatus

Visibility	private
Type	boolean

18.4.2. password

Visibility	private
Type	string

18.4.3. securityQuestion

Visibility	private
Type	string[]

18.4.4. userId

Visibility	private
Type	string

18.5. Operations

18.5.1. login

Visibility	public
Return Type	boolean

18.5.2. logout

Visibility	public
-------------------	--------

Return Type void

18.5.3. resetPassword

Visibility public

Return Type boolean

18.6. Relationships

Relationship	From	To
— unnamed	 Employee	 UserAccount

19. VerificationService

19.1. Properties

Visibility public

Abstract false

Leaf false


Root false

Active false

19.2. Attributes Summary

Name	Description
 verificationRecords	

19.3. Operations Summary

Name	Description
 checkWorkEligibility	
 verifyEmployeeInfo	

19.4. Attributes

19.4.1. verificationRecords

Visibility private

Type string

19.5. Operations

19.5.1. checkWorkEligibility

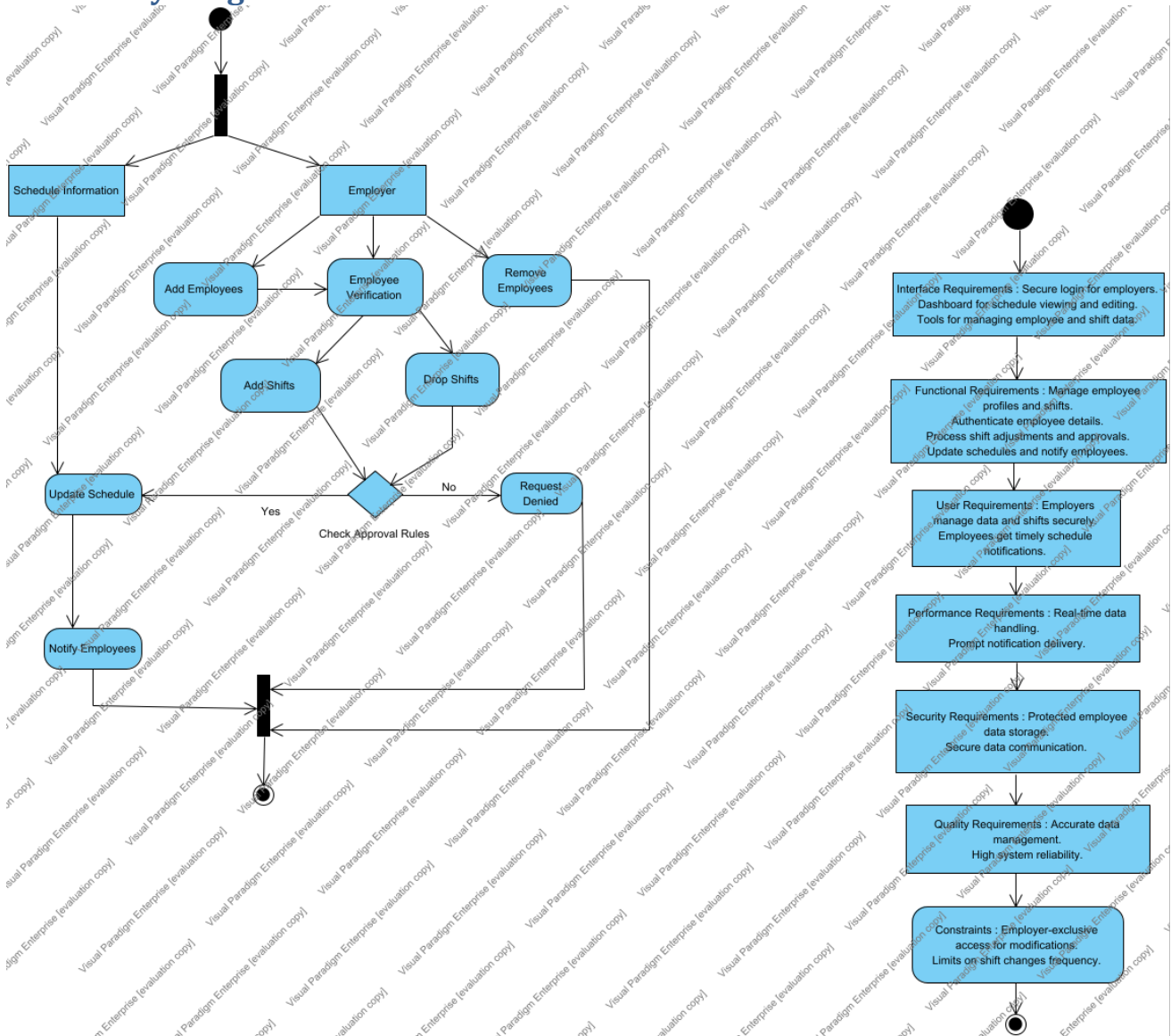
Visibility public

Return Type string

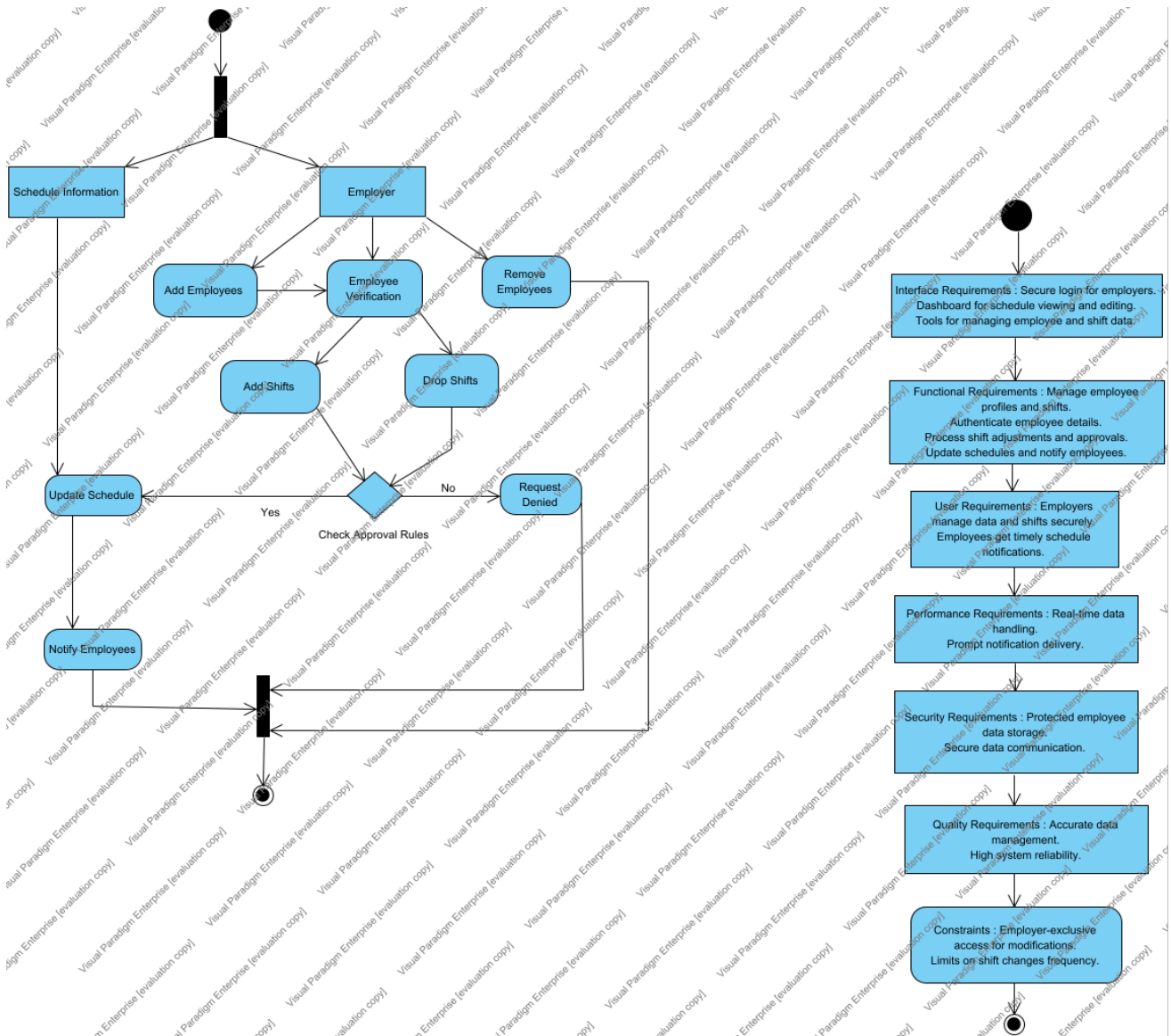
19.5.2. `verifyEmployeeInfo`

Visibility	public
Return Type	boolean

20. Activity Diagram1



21. Activity Diagram1



21.1. Add Employees

21.1.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.1.2. Relationships

Relationship	From	To
CF → unnamed	Add Employees	Employee Verification
OF → unnamed	Employer	Add Employees


21.2. Add Shifts

21.2.1. Properties

Effect	N/A
Visibility	Unspecified

Must isolate	false
Leaf	false

21.2.2. Relationships













Relationship	From	To
 unnamed	 Add Shifts	 Check Approval Rules
 unnamed	 Employee Verification	 Add Shifts

21.3. Check Approval Rules

21.3.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.3.2. Relationships

Relationship	From	To
 No	 Check Approval Rules	 Request Denied
 unnamed	 Drop Shifts	 Check Approval Rules
 unnamed	 Add Shifts	 Check Approval Rules
 Yes	 Check Approval Rules	 Update Schedule







21.4. Constraints : Employer-exclusive access for modifications. Limits on shift changes frequency.

21.4.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.4.2. Relationships

Relationship	From	To
--------------	------	----







Relationship	From	To
 unnamed	 Constraints : Employer-exclusive access for modifications. Limits on shift changes frequency.	 unnamed
 unnamed	 Quality Requirements	 Constraints : Employer-exclusive access for modifications. Limits on shift changes frequency.

21.5. Drop Shifts

21.5.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.5.2. Relationships


Relationship	From	To
 unnamed	 Drop Shifts	 Check Approval Rules
 unnamed	 Employee Verification	 Drop Shifts

21.6. Employee Verification

21.6.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.6.2. Relationships

Relationship	From	To
 unnamed	 Employee Verification	 Add Shifts
 unnamed	 Employee Verification	 Drop Shifts
 unnamed	 Add Employees	 Employee Verification
 unnamed	 Employer	 Employee Verification













21.7. Employer

21.7.1. Properties

Parameter	N/A
Upper bound	N/A

Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.7.2. Relationships







Relationship	From	To
 unnamed	 Employer	 Employee Verification
 unnamed	 Employer	 Add Employees
 unnamed	 Employer	 Remove Employees
 unnamed	 unnamed	 Employer

21.8. Functional Requirements

21.8.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.8.2. Relationships

Relationship	From	To
 unnamed	 Functional Requirements	 User Requirements
 unnamed	 Interface Requirements	 Functional Requirements







21.9. Interface Requirements

21.9.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.9.2. Relationships

Relationship	From	To
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Relationship	From	To
 unnamed	 Interface Requirements	 Functional Requirements
 unnamed	 unnamed	 Interface Requirements

21.10. Notify Employees

21.10.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.10.2. Relationships







Relationship	From	To
 unnamed	 Notify Employees	 unnamed
 unnamed	 Update Schedule	 Notify Employees

21.11. Performance Requirements

21.11.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.11.2. Relationships

Relationship	From	To
 unnamed	 Performance Requirements	 Security Requirements
 unnamed	 User Requirements	 Performance Requirements


21.12. Quality Requirements

21.12.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false

Leaf	false
------	-------

21.12.2. Relationships

Relationship	From	To
 unnamed	 Quality Requirements	 Constraints : Employer-exclusive access for modifications. Limits on shift changes frequency.
 unnamed	 Security Requirements	 Quality Requirements

21.13. Remove Employees

21.13.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.13.2. Relationships







Relationship	From	To
 unnamed	 Remove Employees	 unnamed
 unnamed	 Employer	 Remove Employees

21.14. Request Denied

21.14.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.14.2. Relationships

Relationship	From	To
 No	 Check Approval Rules	 Request Denied
 unnamed	 Request Denied	 unnamed







21.15. Schedule Information

21.15.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false

Must isolate	false
Leaf	false

21.15.2. Relationships






Relationship	From	To
 unnamed	 Schedule Information	 Update Schedule
 unnamed	 unnamed	 Schedule Information

21.16. Security Requirements

21.16.1. Properties

Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.16.2. Relationships




Relationship	From	To
 unnamed	 Security Requirements	 Quality Requirements
 unnamed	 Performance Requirements	 Security Requirements

21.17. unnamed

21.17.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.17.2. Relationships



Relationship	From	To
 unnamed	 Constraints : Employer-exclusive access for modifications. Limits on shift changes frequency.	 unnamed

21.18. unnamed

21.18.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.18.2. Relationships

Relationship	From	To
 unnamed	 unnamed	 Interface Requirements

21.19. unnamed

21.19.1. Properties

Visibility	Unspecified
Combine duplicate	true
Must isolate	false
Leaf	false

21.19.2. Relationships

Relationship	From	To
 unnamed	 unnamed	 unnamed
 unnamed	 Notify Employees	 unnamed
 unnamed	 Request Denied	 unnamed
 unnamed	 Remove Employees	 unnamed

21.20. unnamed

21.20.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.20.2. Relationships

Relationship	From	To
 unnamed	 unnamed	 Schedule Information
 unnamed	 unnamed	 Employer
 unnamed	 unnamed	 unnamed

21.21. unnamed

21.21.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.21.2. Relationships

Relationship	From	To
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
Relationship	From	To
 unnamed	 unnamed	 unnamed

● 21.22. unnamed

21.22.1. Properties

Visibility	Unspecified
Must isolate	false
Leaf	false

21.22.2. Relationships










Relationship	From	To
 unnamed	 unnamed	 unnamed

☰ 21.23. Update Schedule

21.23.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

21.23.2. Relationships

Relationship	From	To
 unnamed	 Update Schedule	 Notify Employees
 unnamed	 Schedule Information	 Update Schedule
 Yes	 Check Approval Rules	 Update Schedule

☰ 21.24. User Requirements

21.24.1. Properties

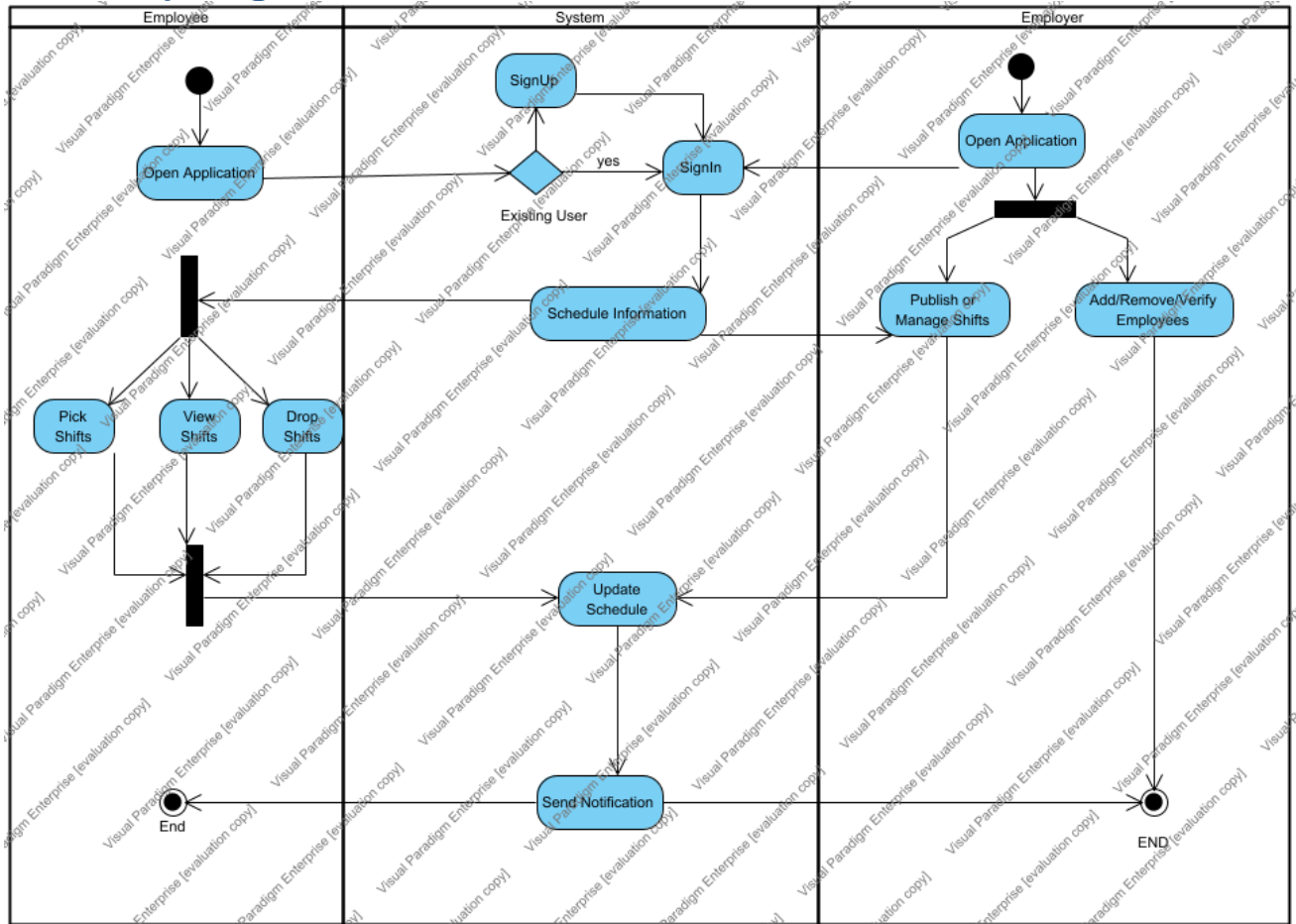
Parameter	N/A
Upper bound	N/A
Ordering kind	FIFO
Visibility	Unspecified
Control type	false
Must isolate	false
Leaf	false

21.24.2. Relationships

Relationship	From	To
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Relationship	From	To
OF → unnamed	User Requirements	Performance Requirements
OF → unnamed	Functional Requirements	User Requirements

22. Activity Diagram2












23. Open Application

23.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

23.2. Relationships

Relationship	From	To
--------------	------	----







Relationship	From	To
 unnamed	 Open Application	 unnamed
 unnamed	 Open Application	 SignIn
 unnamed	 unnamed	 Open Application

24. Open Application

24.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

24.2. Relationships










Relationship	From	To
 unnamed	 Open Application	 Existing User
 unnamed	 unnamed	 Open Application

25. Schedule Information

25.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

25.2. Relationships










Relationship	From	To
 unnamed	 Schedule Information	 Publish or Manage Shifts
 unnamed	 Schedule Information	 unnamed
 unnamed	 SignIn	 Schedule Information

26. Send Notification

26.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

26.2. Relationships

Relationship	From	To
 unnamed	 Send Notification	 END
 unnamed	 Send Notification	 End
 unnamed	 Update Schedule	 Send Notification

27. Swimlane







28. Swimlane2

29. View Shifts

29.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

29.2. Relationships







Relationship	From	To
 unnamed	 View Shifts	 unnamed
 unnamed	 unnamed	 View Shifts

30. Drop Shifts

30.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

30.2. Relationships

Relationship	From	To
 unnamed	 Drop Shifts	 unnamed
 unnamed	 unnamed	 Drop Shifts







31. Pick Shifts

31.1. Properties

Effect	N/A
--------	-----

Visibility	Unspecified
Must isolate	false
Leaf	false

31.2. Relationships













Relationship	From	To
 unnamed	 Pick Shifts	 unnamed
 unnamed	 unnamed	 Pick Shifts

32. SignIn

32.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

32.2. Relationships







Relationship	From	To
 unnamed	 SignIn	 Schedule Information
 unnamed	 Open Application	 SignIn
 unnamed	 SignUp	 SignIn
 yes	 Existing User	 SignIn

33. SignUp

33.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

33.2. Relationships

Relationship	From	To
 unnamed	 SignUp	 SignIn
 unnamed	 Existing User	 SignUp










34. Update Schedule

34.1. Properties

Effect	N/A
---------------	-----

Visibility	Unspecified
Must isolate	false
Leaf	false

34.2. Relationships







Relationship	From	To
 unnamed	 Update Schedule	 Send Notification
 unnamed	 Publish or Manage Shifts	 Update Schedule
 unnamed	 unnamed	 Update Schedule

35. Add/Remove/Verify Employees

35.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

35.2. Relationships










Relationship	From	To
 unnamed	 Add/Remove/Verify Employees	 END
 unnamed	 unnamed	 Add/Remove/Verify Employees

36. Publish or Manage Shifts

36.1. Properties

Effect	N/A
Visibility	Unspecified
Must isolate	false
Leaf	false

36.2. Relationships

Relationship	From	To
 unnamed	 Publish or Manage Shifts	 Update Schedule
 unnamed	 unnamed	 Publish or Manage Shifts
 unnamed	 Schedule Information	 Publish or Manage Shifts