CAPA TECH

# UNF SoC Honors in Computing Hours Tracking
# Use-Case Specification: OUTLINES
**Version <1.0>**

# Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 12/10/22 | 1.0 | Use Case Specification: Create Account and View Approved Hours | Chance Abenes |
| 12/10/22 | 1.0 | Use Case Specification: Submit Hours for Review | Sophia Abuzeni |
| 12/10/22 | 1.0 | Use Case Specification: Login | Alexander Perez |
| 12/10/22 | 1.0 | Use Case Specifications: Account Management and Review New Hour Submissions | Chris Clark |

# Table of Contents

I. Use-Case Specification: Create Account 5
1. Description 5
1.1 Use Case Diagram 5
2. Basic Flow of Events 5
3 Alternative Flow of Events 5
3.1 Area of Functionality: Account Creation 5
4 Key Scenario 6
4.1 Success Scenario 6
4.2 Failure Scenario 6

II. Use-Case Specification: View Approved Hours 7
5. Description 7
5.1 Use Case Diagram 7
6. Basic Flow of Events 7
7 Alternative Flow of Events 7
7.1 Area of Functionality: Export Reports 7
7.2 Area of Functionality: Generate End of Semester Reports 7
7.1 Area of Functionality: View Reports 8
8 Key Scenario 8
8.1 Success Scenario 8
8.2 Failure Scenario 8

III. Use-Case Specification: Submit Hours for Review 9
9. Description 9
9.1 Use Case Diagram 9
10. Basic Flow of Events 9
12. Alternative Flow of Events 10
12.1 Success Scenario 10
12.2 Failure Scenario 10

IV. Use-Case Specification: Log In 11
12. Description 11
12.1 Use Case Diagram 11
13. Basic Flow of Events 11
14 Alternative Flow of Events 12
14.1 Area of Functionality: Password Reset 12
15 Key Scenario 13

V. Use-Case Specification: Account Management 14
16. Description 14
16.1 Use Case Diagram 14
17. Basic Flow of Events 14
18 Alternative Flow of Events 14
18.1 Area of Functionality: Account Management 14
19 Subflows 15
20 Key Scenarios 15
20.1 Success Scenario 15
20.2 Failure Scenario 15

VI. Use-Case Specification: Review New Hour Submissions 16

21. Description 16
21.1 Use Case Diagram 16
22. Basic Flow of Events 16
23 Alternative Flow of Events 17
23.1 Area of Functionality: Review New Hour Submissions 17
23.2 Area of Functionality: Review New Hour Submissions 17
24 Subflows 17
25 Key Scenario 17
25.1 Success Scenario 17
25.2 Failure Scenario

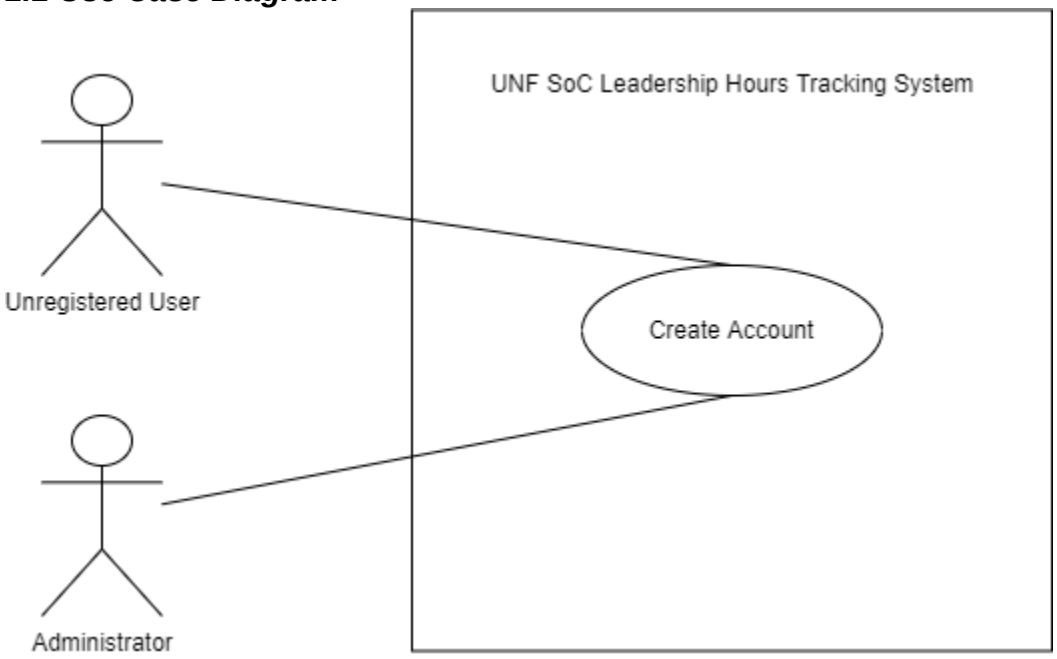
# Use-Case Specification: Create Account

Chance Abenes

## *1. Description*

*This use case describes how an unregistered user creates an account to access the UNF SoC Leadership Hours Tracking System.*

### *1.1 Use Case Diagram*




## *2. Basic Flow of Events*

1. An unregistered user selects create account.
2. System displays user account creation form.
3. User enters data and submits.
4. Administrator is notified of account creation request.
5. Administrator approves of account creation.
6. User is notified of their successful account creation.
7. Use case ends.

## *3. Alternative Flows*

### 3.1 Area of Functionality: Account Creation

- 3.1.1 User submits incomplete form
- 3.1.2 Account with associated credentials already exists
- 3.1.3 Invalid email submitted
- 3.1.4 User exits system during account creation

## 4. Key Scenarios

### 4.1 Success Scenario

- User is successful in account creation procedure.

### 4.2 Failure Scenario

- User fails to create an account for the system.

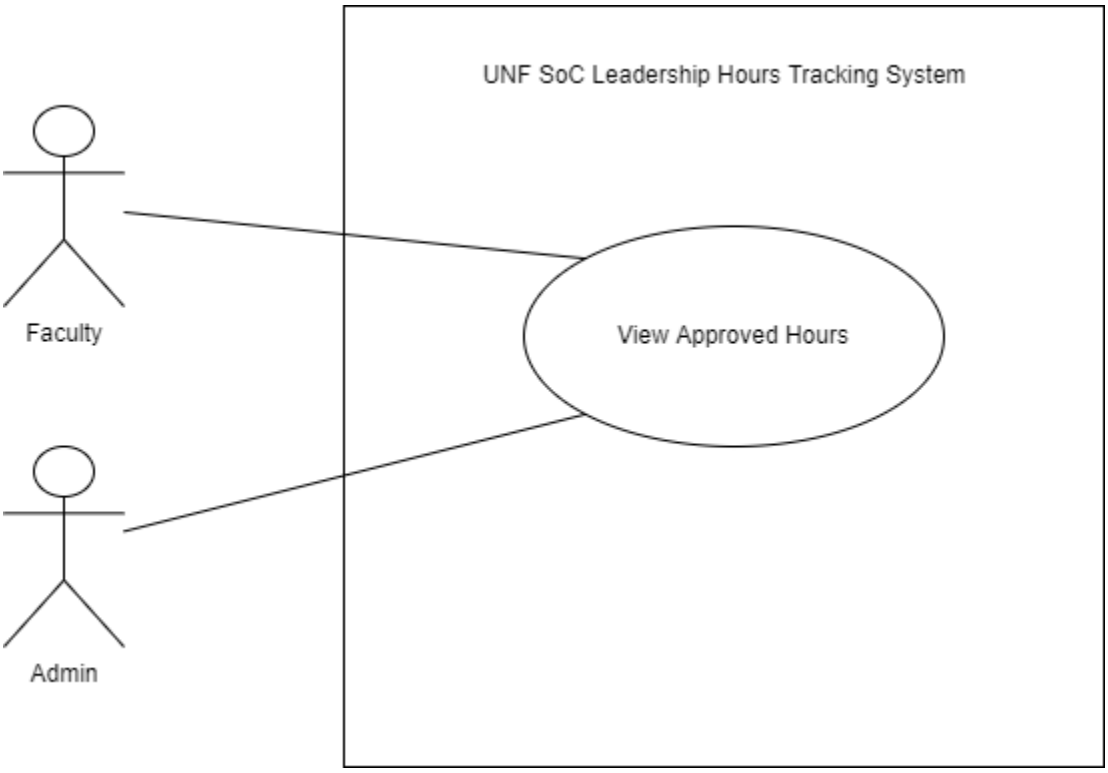
# Use-Case Specification: View Approved Hours

Chance Abenes

## *5. Description*

*This use case describes how faculty-sent approved reports will need to be viewed by admins.*

### *5.1 Use Case Diagram*




## *6. Basic Flow of Events*

1. An Admin clicks on View Reports.
2. Admin is presented with a list of reports.
3. Admin may click on an individual report by clicking the associated “View Report” Button.
4. After clicking “View Report” the admin can view the details of the report.

## *7. Alternative Flows*

### *7.1 Area of Functionality: Export Reports*

7.1.1 Admin may filter reports after being presented with a list of reports.
7.1.2 Admin may export after reviewing the details of a specific report.
7.1.3 Export function fails to generate Excel sheet.

### *7.2 Area of Functionality: Generate End of Semester Reports*

8.2.1 Admin can generate an end-of-semester report for students.
8.2.2 System fails to generate end-of-semester reports

### *7.3 Area of Functionality: View Reports*

8.3.1 The report viewer fails to load report information.
8.3.2 System denies user, access restricted to administrators.

## *8. Key Scenarios*

### 8.1 Success Scenario

- Admin can review the details of a report.
- Admin can export needed reports as excel files.
- Admin can generate end-of-semester reports for leadership hours gained

### 8.2 Failure Scenario

- Admin cannot review reports.
- Admin fails to export needed reports.
- Admin cannot generate an end-of-semester report.

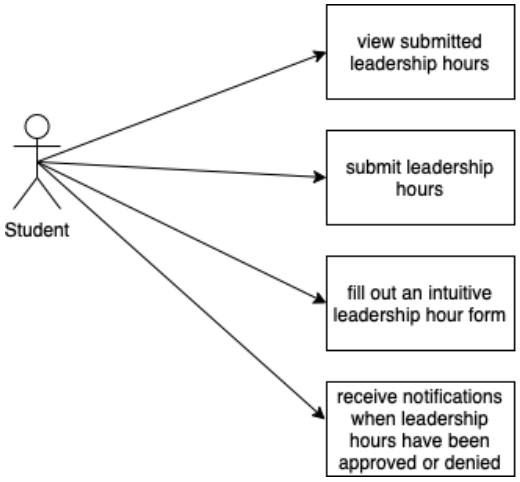
# Use-Case Specification: Submit Hours for Review

Sophia Abuzeni

## 9. Brief Description

*Submit hours for review in order to easily submit leadership hours so that instructors and admin can receive leadership hours. The hours can be approved or denied, and student can take action on submitted hours if needed. Students can also verify the status of previously submitted leadership hours,*

### 9.1 Use Case Diagram




## 10. Basic Flow of Events

1. Student opens Leadership hour submission form.
2. Student inputs information selects professor name, and Leadership event.
3. Student submits form to submit Leadership Hours.
4. Student check status of form submission for Leadership Hours.

## 11. Alternative Flows

A1. The student hasn't filled out a form, so they fill out a form.
A2. Student forgets Professor's name or Leadership event.
A3. Student messes up form, and edits submitted form.

# 12. Key Scenarios

## 12.1 Success Scenario

- The student was able to successfully submit form.

## 12.2 Failure Scenario

- Student fails to submit Leadership hours form correctly
- Students Leadership hour form gets denied.

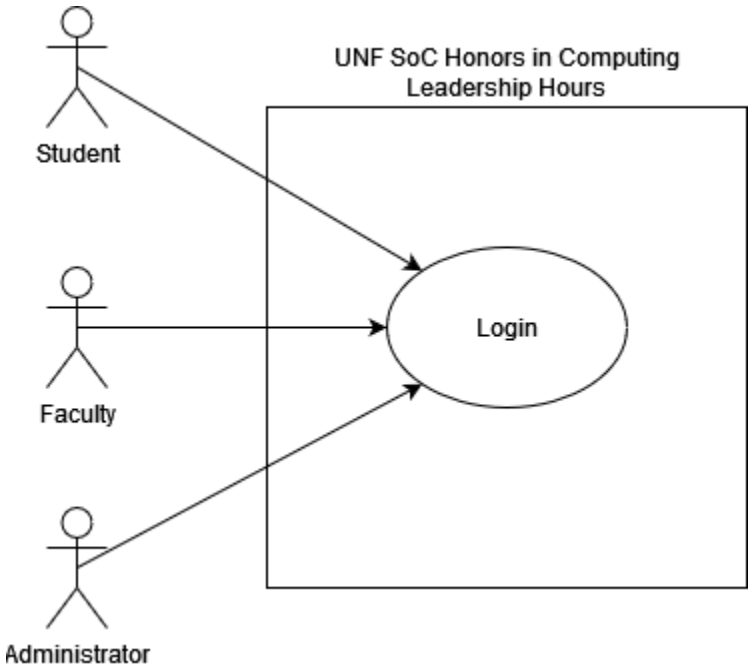
# Outline Use-Case: Log in

Alexander Perez

## 12 Brief Description

The user needs to be able to log in to the system. They also need to be able to recover their username or reset their password as part of this process.

### 12.1 Use Case Diagram




## 13 Basic Flow of Events

1. The student, faculty, or administrator enters their username in the relevant provided text entry field.
2. The student, faculty, or administrator enters their password in the relevant provided text entry field.
3. The student, faculty, or administrator clicks the form submission button to log in to the system.
4. The system verifies the provided username exists.
5. The system verifies the provided password matches the provided username.
6. The system provides the student, faculty, or administrator access to their account.

# 14 Alternative Flows

A1. The student, faculty, or administrator does not have an account. They instead select the option to create an account.

A1. The student, faculty, or administrator does not remember their username. They select the option to recover their username, which sends an informational email to their email address on file once it is provided.

A2. The student, faculty, or administrator does not remember their password. They select the option to reset their password, and follow the provided directions in their registered email to reset their password before logging in. See the “Password Reset” area of functionality for more information.

A4. The student, faculty, or administrator inputted a username that does not exist. A relevant message is displayed.

A5. The student, faculty, or administrator inputted a password that does not match the existing username. A relevant message is displayed.

## 14.1 Area of Functionality: Password Reset

1. The student, faculty, or administrator selects the option to reset their password.
2. The student, faculty, or administrator is prompted to enter their registered email address.
3. The system verifies that an email address exists that matches the provided email address.
4. An email is sent to the provided email address with a link to reset the student, faculty, or administrator’s password.
5. The student, faculty, or administrator clicks the link in their email to visit the password reset instance for their account.
6. The student, faculty, or administrator enters a new password in the relevant provided text field.
7. The student, faculty, or administrator enters the new password again in the confirmation text field.
8. The student, faculty, or administrator clicks the form submission button to reset their password.
9. The system verifies that the new password text field and the confirmation field match, and that the password provided is valid.
10. The system changes the student, faculty, or administrator’s password associated with the provided email address.
11. The student, faculty, or administrator is notified that their password has been successfully reset, and that they may now log in with it.

### *14.1.1 < A3 Alternative Flow >*

If no email address is found in the system, a relevant message is provided to the student, faculty, or administrator.

### *14.1.2 < A9 Alternative Flow >*

If the student, faculty, or administrator types passwords that don’t match, or they don’t meet

minimum password requirements, the student, faculty, or administrator is asked to fill in the form again.

## 15 Key Scenarios

1. The student, faculty, or administrator successfully logs in to their account.
2. The student, faculty, or administrator creates a new account.
3. The student, faculty, or administrator successfully recovers their username.
4. The student, faculty, or administrator successfully resets their password.
5. The student, faculty, or administrator fails to find a way to log in to their account and creates a new one as a workaround.

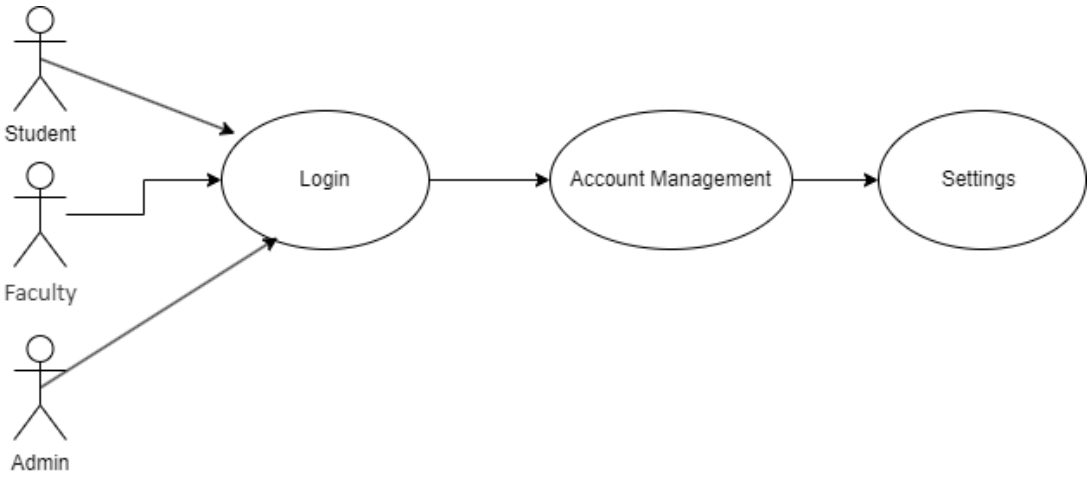
# Outline Use-Case: <Account Management>

Chris Clark

## 16 Brief Description

This use case manages, users account information, so they can view or edit their account properties. Students, Faculty and Admin, can change their account properties, by going to user settings.

### 16.1 Use Case Diagram




## 17 Basic Flow of Events

1. Student, faculty, or Admin successfully signs into their account.
2. From the homepage the user selects their profile icon.
3. On the settings page, the user can now edit their account information.

## 18 Alternative Flows

1. Account Login error.
2. Homepage handle error.
3. Settings page throws 404 error.

### 18.1 Account Management

*18.1.1 < A1 – Account Login error*

A student, faculty member, or administrator logs into the application incorrectly.

*18.1.2 < A2 – Homepage error*

A student, faculty member, or administrator logs into the application and the homepage throws and error due to the page not existing or because the user entered information incorrectly.

*18.1.3 < A3 – Settings Page error*

The settings page throws a 404 error to the user, due to the system not being able to find the correct page.

# 19 Subflows

None

# 20 Key Scenarios

## 20.1 Success Scenario

*20.1.2 The user selects his "user icon" and gets redirected to the settings page, where the user can make changes to their account information.*

### *20.2.1Failure Scenarios*

20.2.1.1 Due to the user putting in the wrong account information, they were not able to log into their account: Basic Flow, wrong login information.

20.2.1.2 Due to the system throwing an error the user was not able to be redirected to the homepage.

20.2.1.3 Due to the system throwing a handling error the user was not able to get redirected to the settings page when selecting the profile icon.

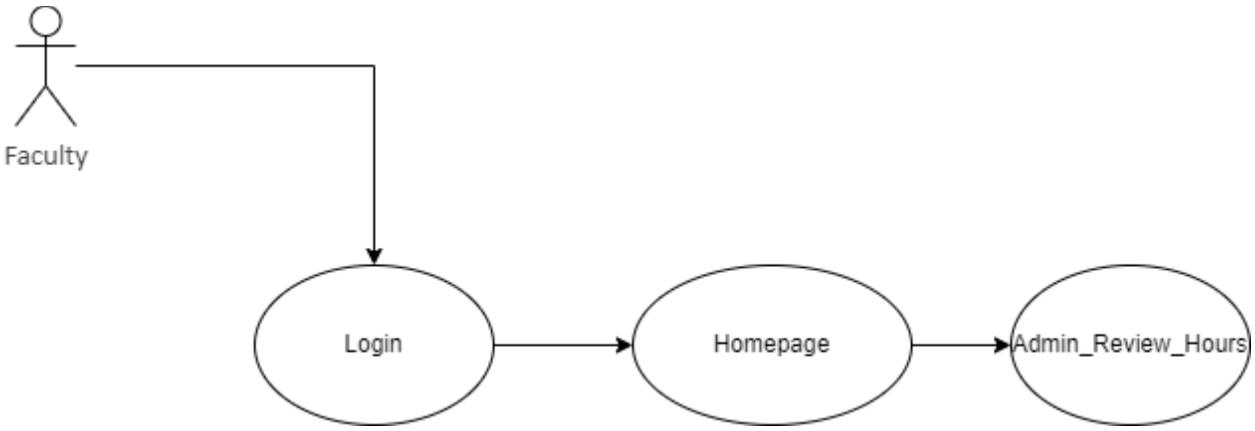
# Outline Use-Case: <Review New Hour Submissions>

Chris Clark

## 20 Brief Description

This use case receives notifications when students submit leadership hours to Faculty, so they can be reviewed. Once the form has been submitted the faculty member will get a notification via their email.

### 20.2 Use Case Diagram




## 21 Basic Flow of Events

4. Faculty successfully signs into their account.
5. From the homepage, the faculty member can select their task icon. (To see submitted leadership hours)
6. After selecting a task from, the faculty member can deny or approve.

## 22 Alternative Flows

*[More complex alternatives are described in a separate section, referred to in the **Basic Flow** subsection of **Flow of Events** section. Think of the **Alternative Flow** subsections like alternative behavior—each alternative flow represents alternative behavior usually due to exceptions that occur in the main flow. They may be as long as necessary to describe the events associated with the alternative behavior.*

*Identify and name each relevant Alternative Flows. Provide a list of relevant alternative flows.]*

4. Account Login error.
5. The task icon stops working and the system throws and error when the faculty attempts to review student hours.
6. The faculty member tries to approve the student's leadership hours form and gets an error.
7. The faculty member tries to deny the student's leadership hours form and gets an error.

### 22.2 Review New Hour Submissions

*22.2.1 < A1 – Account Login error*

faculty member logs into the application incorrectly.

*22.2.2 < A2 – Task icon error*

The task icon stops working and the system throws and error when the faculty attempts to review student hours.

*22.2.3 < A3 – Approve / deny submissions)*

The faculty member tries to approve the student's leadership hours form and gets an error.

The faculty member tries to deny the student's leadership hours form and gets an error.

### 22.3 Review New Hour Submissions

*22.3.1 < A1 – View & Manage*

View and manage leadership hours students have submitted to me so I can approve them or return them to the student for re-submission.

*22.3.2 < A2 – Approve leadership hours*

Approve leadership hours submitted to me by students so Administration can give the student credit for the hours.

*22.3.3 < A3 – Approve / deny submissions)*

Deny leadership hours submitted to me by students so students can fix the and re-submit their hours properly.

## 23 Subflows

None

## 24 Key Scenarios

### 24.2 Success Scenario

*26.1.1The faculty member, signs into the application. Once signing into the application, the user is now on the homepage and now can select the "task icon" button to then see the submitted student leadership hours that should be reviewed by the faculty member. Now the faculty has the option to approve the document.*

### *24.3 Failure Scenarios*

24.3.1 Due to the faculty member putting in the wrong account information, they were not able to log into their account: Basic Flow, wrong login information.

26.2.2 The applications task bar stops working; therefore, the faculty member can not see what leadership hours form was sent and waiting for review.

24.3.2 The faculty member approves the leadership form, but due to an error, the document is never approved, even though the faculty member approved it.