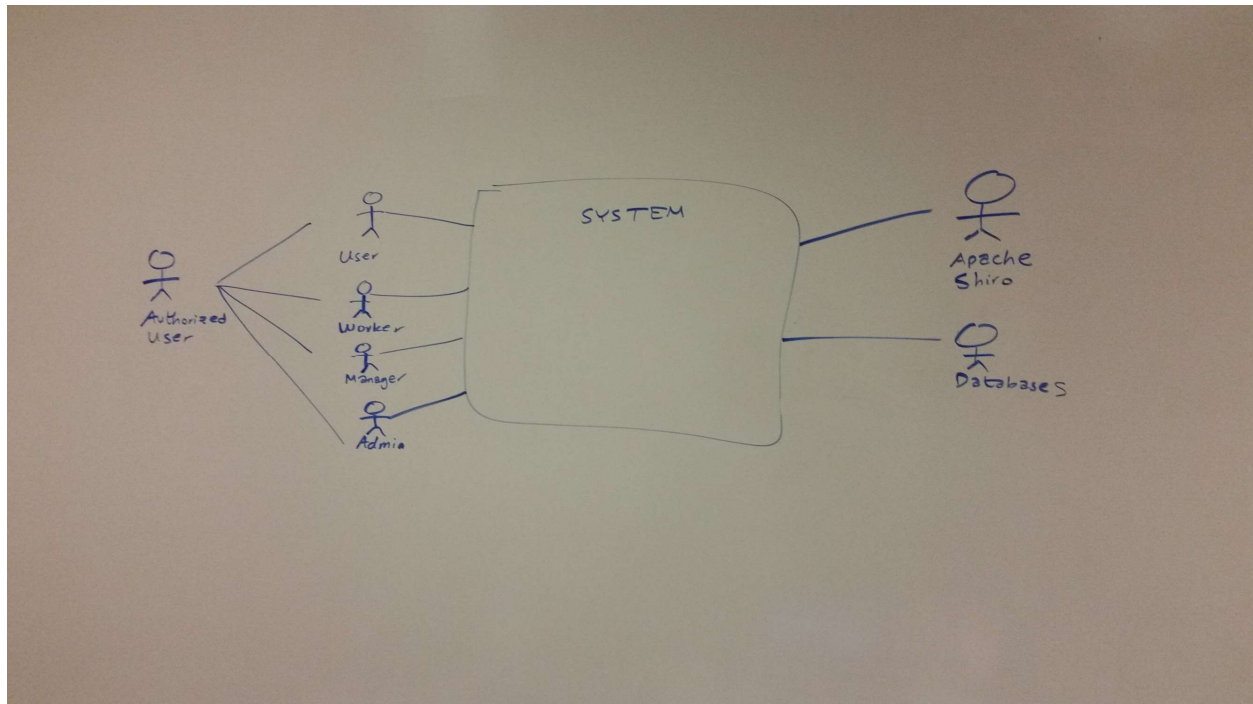


Use Cases:

- register account
- view CRUD water report
- find water source
- display history of source
- Authenticate user: David
- delete account: Alex
- ban user: Dacorvyn
- unblock account
- view log: Owen
- handle report: Ozzy

CONTEXT DIAGRAM:



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DAVID ARIDA
CS 2340
FULLY DRESSED USE CASE

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USE CASE: AUTHENTICATE USER

Primary Actor:
Authorized User

Stakeholders/Goals:

Authorized Users: Want to be able to login to the system without encountering problems to perform necessary tasks.

Client: Want to ensure that authorized users are able to login to the system without issue.

Preconditions:

True

Postconditions:

User credentials/rights established, Security log updated

Main Success Scenario:

1. Trigger - System displays Login UI (prompts for User ID/Password)
2. User enters credentials (User ID/Password)
3. System checks credentials
4. System displays home screen
5. System records security log success
6. System sets up user session

Extension:

3a. User ID not found

1. System notifies user that the login failed and the system remains at Login UI (prompts for User ID/Password)

3b. Password incorrect

1. System increments number of incorrect password attempts in the security log
2. System checks if the number of incorrect password attempts is greater than three for the current user ***
3. If the number of incorrect attempts is greater than three, the system locks the account until the admin unlocks it
4. If the number of incorrect attempts is not greater than three, the system notifies the user that the login failed and the system remains at login UI (prompts for User ID/Password)

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FULLY DRESSED USE CASE

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USE CASE: HANDLE REPORTS

Primary Actor:
Administrators

Stakeholders/Goals:

Administrators: If the reports past a certain age or are outdated by new reports they must be archived properly.

Failure to do so may result on confusion of current versus outdated information. Some cases may include deletion bad reports.

Preconditions:

Report To Handle must exist
Replacement Report must exist
Report must meet a certain age to be Handle
Report must be bad to be deleted

Postconditions:

Report will be deleted or archived depending on criteria. Activity will be logged.

Main Success Scenario:

1. Admin Selects a report to handle
2. Admin selects form handling
3. Admin re-enters credentials for security
4. Report is handled accordingly
5. Handling is recorded
6. Admin is prompted of succesful handling

Extension:

- 3a. Wrong Password is entered
 1. System logs report handling attemp as failure, with admin credentials logged as well
 2. Password failures are counted and logged.
- 4a. Report Cannot be handled
 1. Prompt Admin the report they are trying to handle cannot be handled (with specified handling form attempted).
 2. Prompt Amin why the handling can't be done.
- 4b. No Replacement Report Exists.
 1. Same as 4a.
 2. Admin will be notified they need to create a replacement report first.

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Owen Brahms

CS 2340

FULLY DRESSED USE CASE

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View Log

Primary Actor: Admin

Stakeholders and Interests:

Admin: The Admin needs to be able to be aware of the goings on of the system and should be able to check for aberrations in normal use.

System: Used to check for failed login attempts to block user

Precondition:

-Admin is logged in

-Log files exist

Postcondition:

-Logs are displayed for Admin to view

Sunny Day:

1. Admin selects view logs option
2. System displays menu of available logs to view
3. Admin selects log to view
4. System displays selected log to Admin

Extensions:

4a. Log file does not exist

1. System alerts Admin to the non-existence of the log file
2. Admin is asked if they wish to create a log file

Special Requirements: None

Technology and External Variations List: None

Frequency: Common

Miscellaneous: None

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Alex Durso
CS2340
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Delete User

Primary Actor: Admin

Stakeholders and Interests:

- User whose account is being deleted
- Other users that rely on accurate, succinct water reports

Precondition:

- User to delete exists
- Admin is logged in

Postcondition:

- User account has been deleted
- Log is updated with the deleted account, admin account that deleted and a timestamp

Happy Path:

1. Admin selects user id list
2. System displays user ids
3. Admin selects user to be deleted
4. System displays available actions
5. Admin selects delete user
6. System prompts admin for confirmation
7. Admin confirms action
8. System deletes user account and profile
9. System updates log to include userid that was deleted, the admin responsible, and the timestamp

Extensions:

- 6b. Admin cancels account delete
 - i. System exits to the screen displaying user ids.

Special Requirements: None

Technology and External Variations List: None

Frequency: Rare

Miscellaneous: None

FULLY DRESSED USED CASE

Title: Ban User

Description: Marks user as banned, preventing them from posting documents while still allowing them access.

Primary Actor: Admin

Preconditions: Account to be banned must be a real and valid account that has not already been banned and the admin must be logged in under an administrator account.

Post conditions: Account has been marked and logged as banned, and can no longer add content to the page, but can still view content and access content.

The Happy Trail:

1. Admin views user list
2. System displays user ID's
3. Admin selects user to be banned
4. Systems displays available account actions
5. Admin selects the ban user option
6. System display confirmation action
7. Admin confirms user ban
8. System removes user's rights to add content to the application and displays message to confirm ban and marks the user account as banned.

Extensions:

5.) Attempting to ban user that already exists.

System displays message to administrator that account is already banned and will not go through with the process.

Frequency of Use: Rare

Stakeholder/Instrest: Banned Users care to know that their rights have been revoked/Other Users that relied or had interest on banned user's info as they must now find alternatives/Other Admins would care

to know the status of all available users.