Sprint Review #42 Amable Rodríguez v2.0 / 2018-07-17 Digital Collaboration Division, Chief Information Officer Branch Treasury Board of Canada Secretariat / Government of Canada Division de la collaboration numérique, Direction du dirigeant principal de l'information Secrétariat du Conseil du Trésor du Canada / Gouvernement du Canada

Account - Lockout functionality

How to handle the workflow regarding what happens when user locks their account

Document revisions

Version #	Comments	Author	Date
1.0	Document creation	Amable Rodríguez	2018-07-10
2.0	Migrated content to the new UX Document template, added explanatory texts	Amable Rodríguez	2018-07-17

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1. Team

Product Owner



Bryan Robitaille



Development

Nick Pietrantonio

Development



Stéphanie C.Lefebvre



UX Design

Amable Rodríguez

Technical Writing



Marianne Aubrey



UX Research

Donna Monbourquette

Help-Desk



Krista Lecuyer

2. Needs

- User needs to be able to recover his/her account by himself/herself
- User should be able to get helpdesk help if it is impossible for him/ her to recover the account

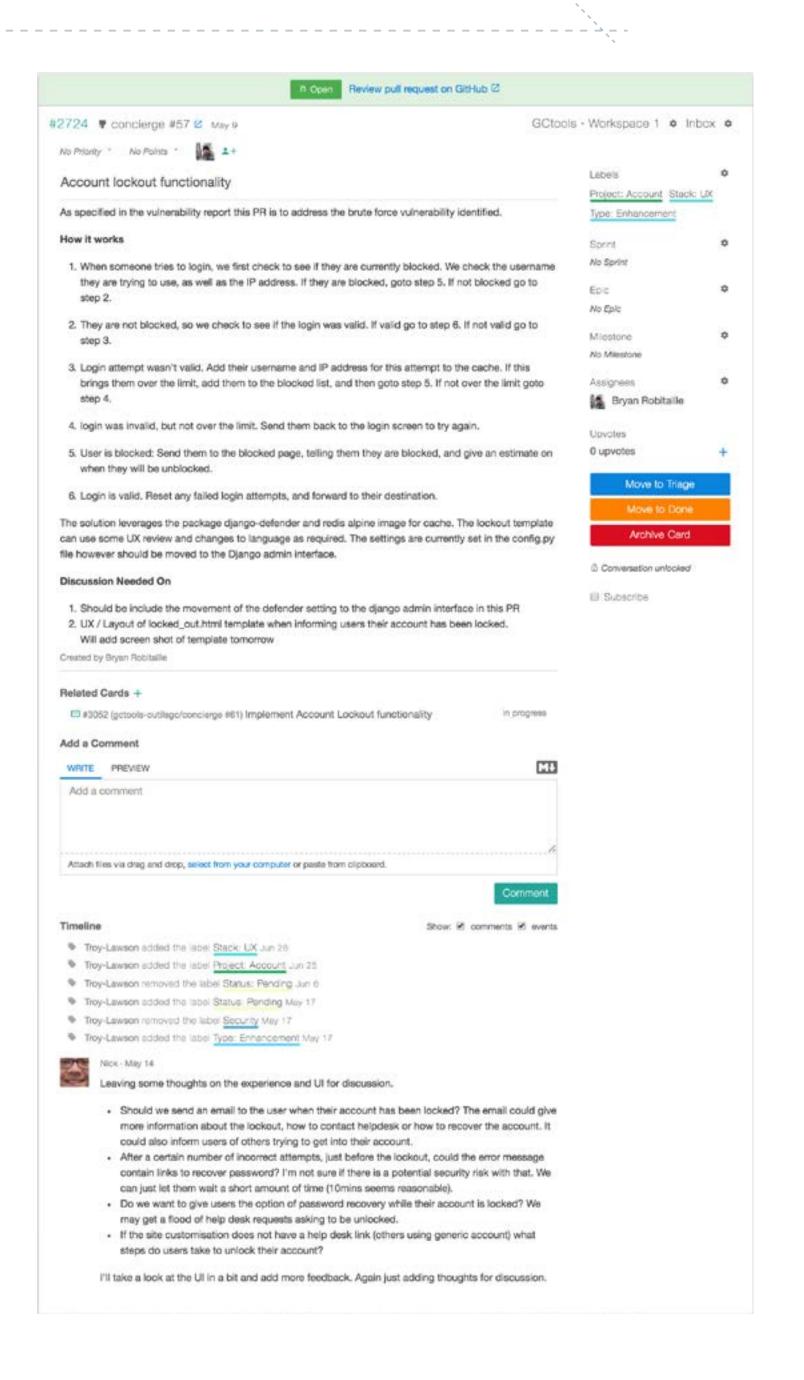


Time consumed in help-desk on accounts recovery protocols needs to be reduced (currently between 10 ~15 tickets per day)

- Solution has to make use of the default lockout functionality already in the system

3. Initial conditions

Task, containing:



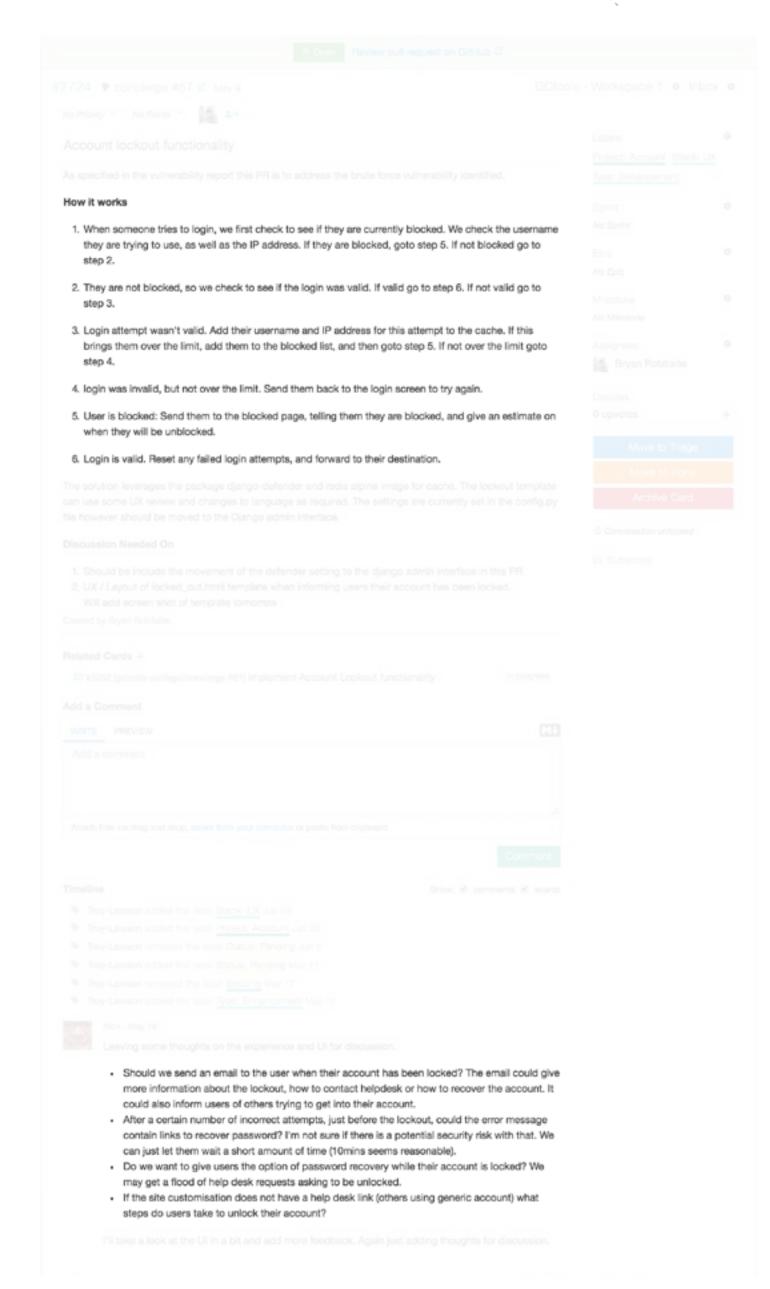
3. Initial conditions

Task, containing:

- Bryan description of default functionality
- Nick comments on how it could be better



Bryan Robitaille





Nick Pietrantonio

We took the Bryan's description of default behavior



Bryan Robitaille

How it works

- When someone tries to login, we first check to see if they are currently blocked. We check the username they are trying to use, as well as the IP address. If they are blocked, goto step 5. If not blocked go to step 2.
- They are not blocked, so we check to see if the login was valid. If valid go to step 6. If not valid go to step 3.
- Login attempt wasn't valid. Add their username and IP address for this attempt to the cache. If this
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 step 4.
- 4. login was invalid, but not over the limit. Send them back to the login screen to try again.
- User is blocked: Send them to the blocked page, telling them they are blocked, and give an estimate on when they will be unblocked.
- Login is valid. Reset any failed login attempts, and forward to their destination.

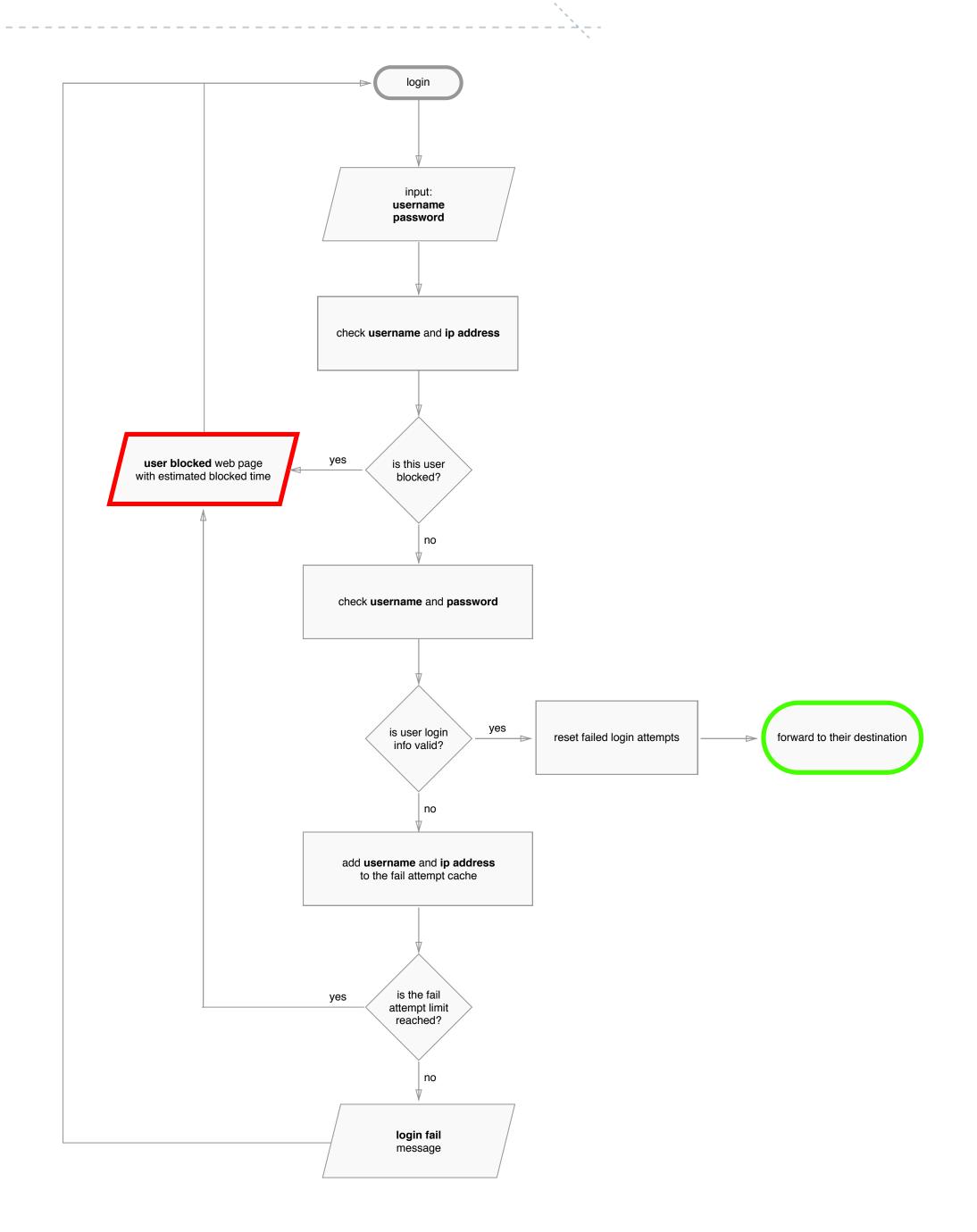
We took the Bryan's description of default behavior and we create the basic flow-chart.



Bryan Robitaille

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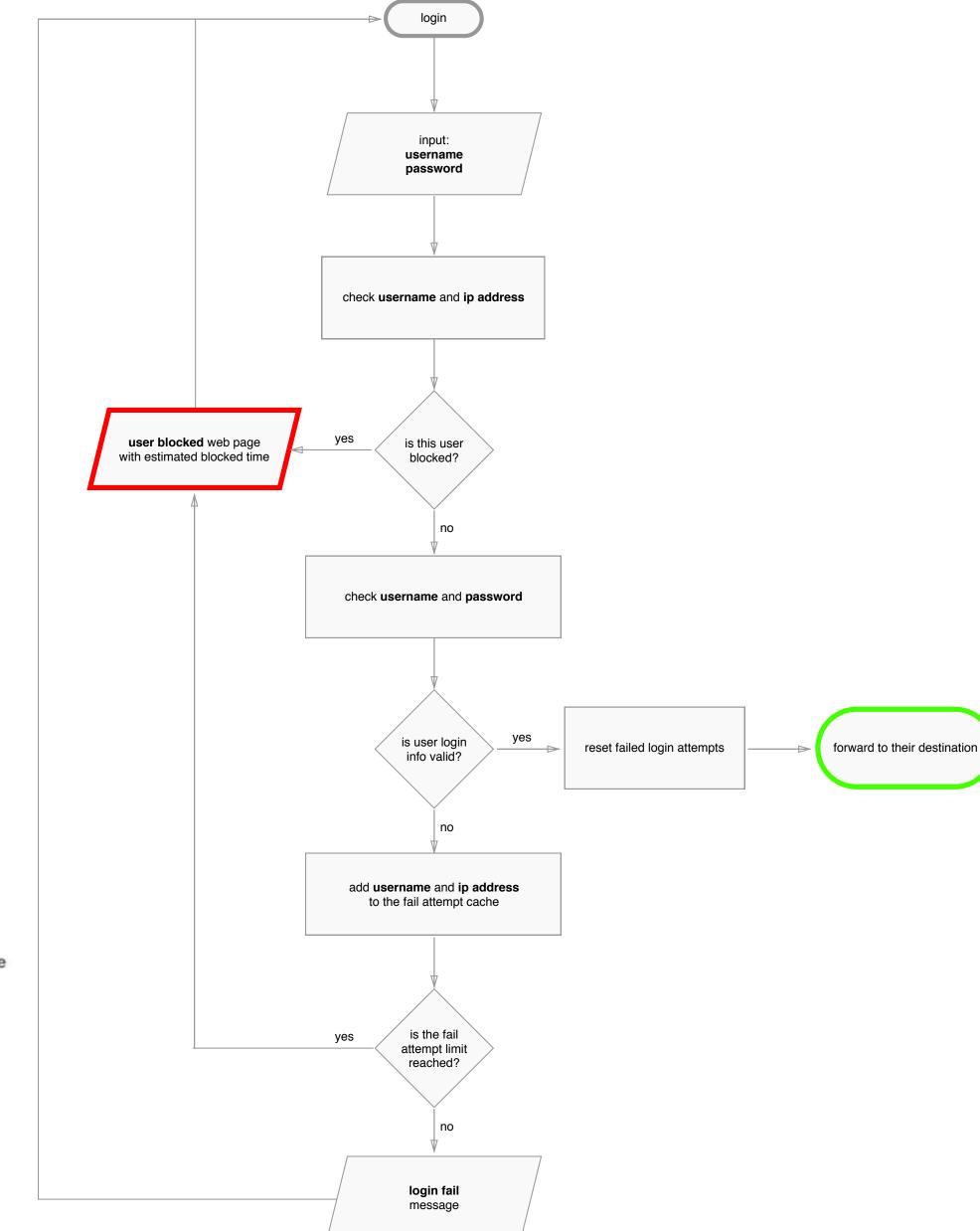


Bryan Robitaille

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After some discussions with Stéphanie,





Amable Rodríguez



Stéphanie C.Lefebvre

We took the Bryan's description of default behavior and we create the basic flow-chart.

1.



Bryan Robitaille

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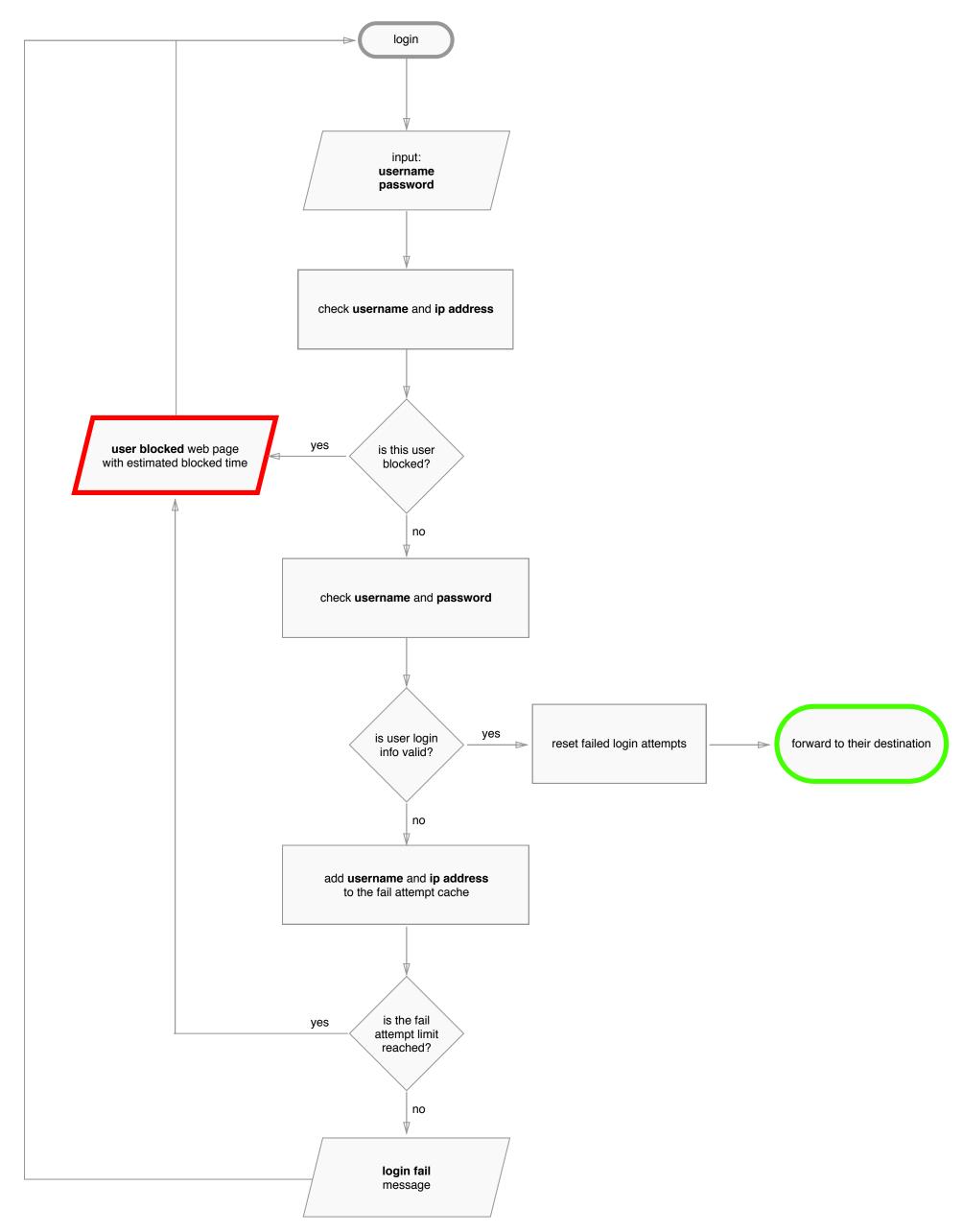
Nick Pietrantonio

- Should we send an email to the user when their account has been locked? The email could give
 more information about the lockout, how to contact helpdesk or how to recover the account. It
 could also inform users of others trying to get into their account.
- After a certain number of incorrect attempts, just before the lockout, could the error message contain links to recover password? I'm not sure if there is a potential security risk with that. We can just let them wait a short amount of time (10mins seems reasonable).
- Do we want to give users the option of password recovery while their account is locked? We may get a flood of help desk requests asking to be unlocked.
- If the site customisation does not have a help desk link (others using generic account) what steps do users take to unlock their account?





Stéphanie C.Lefebvre



We took the Bryan's description of default behavior and we create the basic flow-chart.



Bryan Robitaille

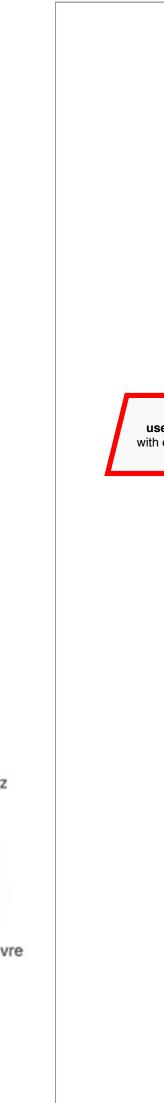
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After some discussions with Stéphanie, adding Nick's comments, and discussion with Krista,



Nick Pietrantonio

- Should we send an email to the user when their account has been locked? The email could give more information about the lockout, how to contact helpdesk or how to recover the account. It could also inform users of others trying to get into their account.
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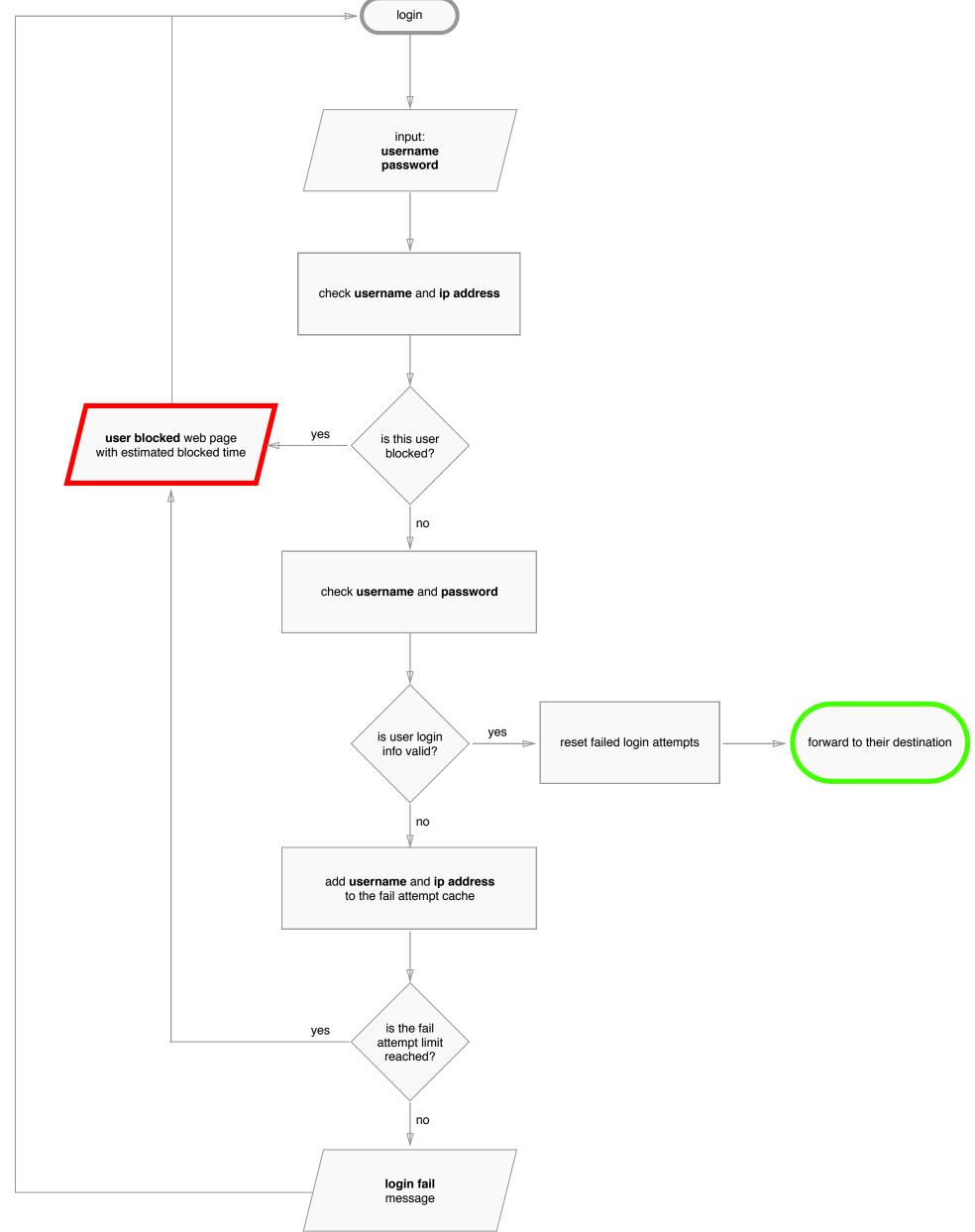
Amable Rodríguez



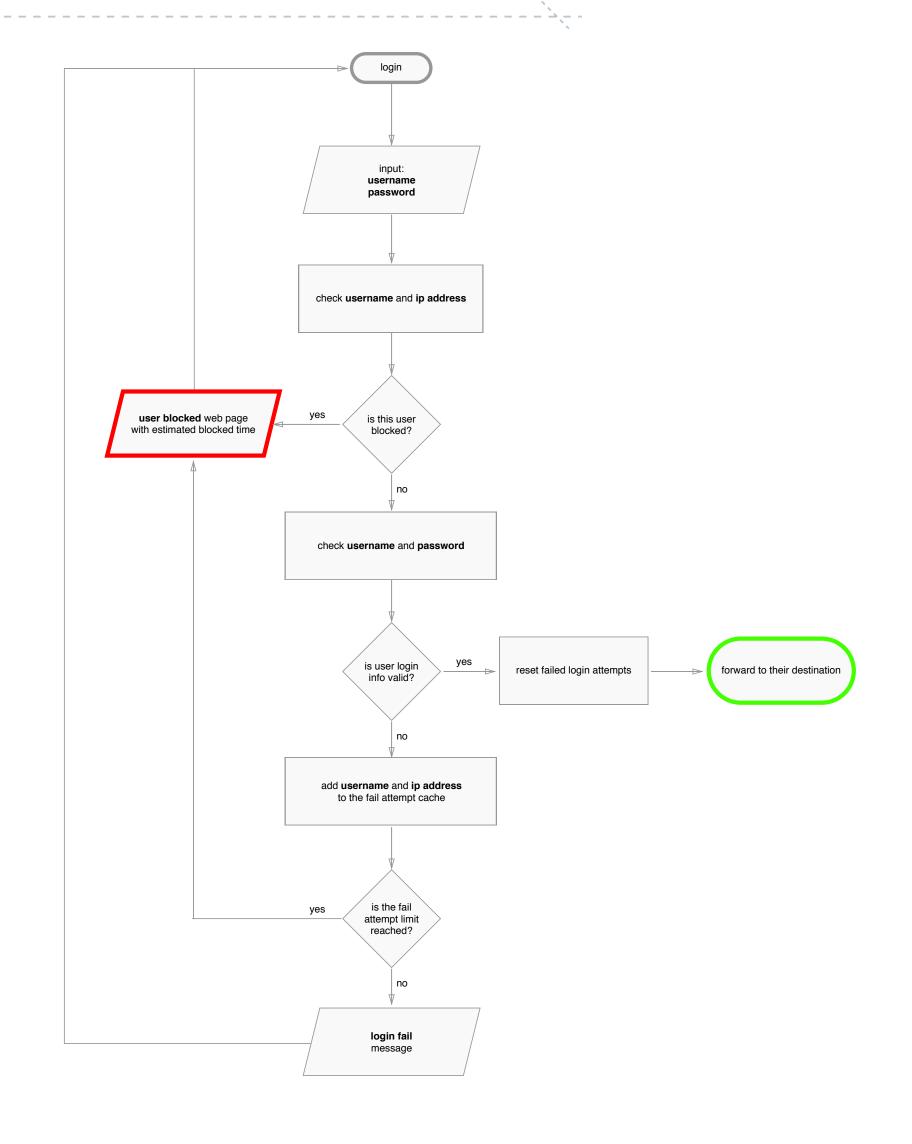
Stéphanie C.Lefebvre



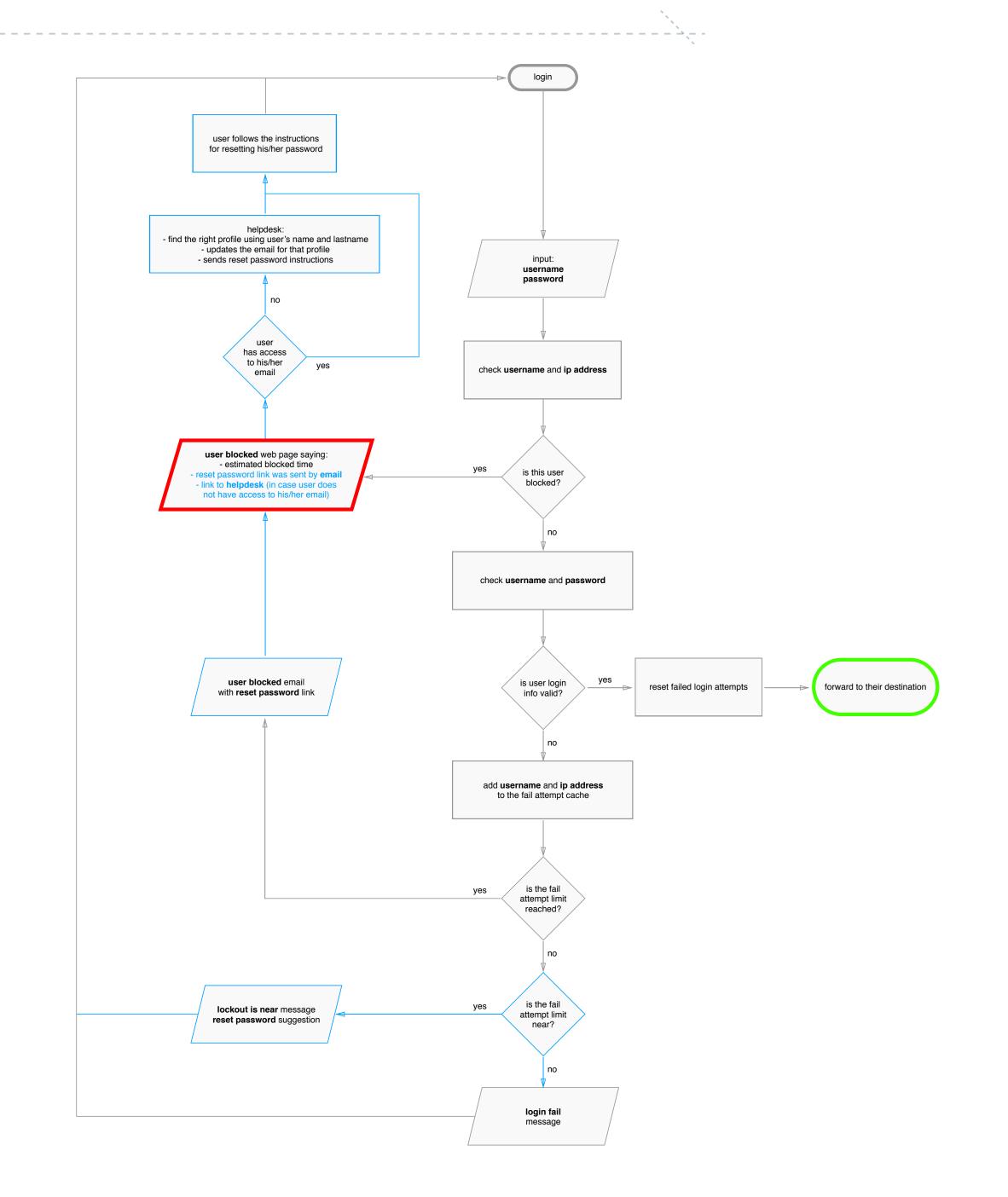
Krista Lecuyer



Initial flow-chart

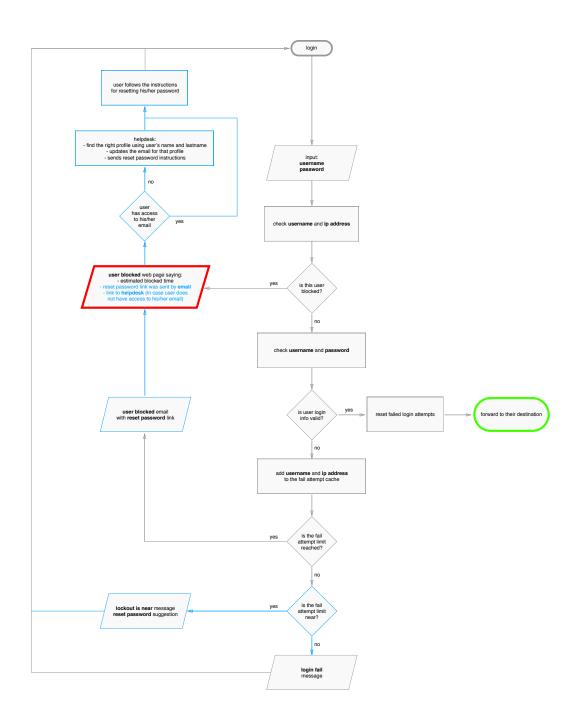


Initial flow-chart got its first upgrade:



This version became in fact only a first iteration,

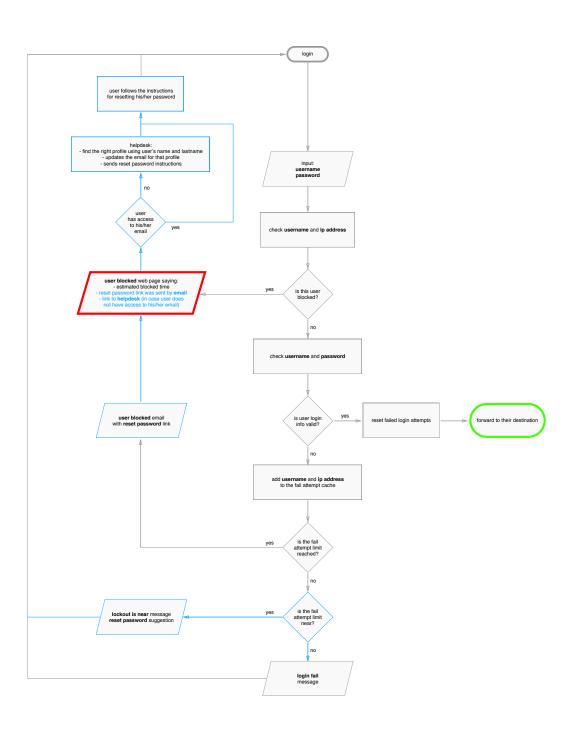
- "lockout is near" warning
- password reset link by email
- link to helpdesk



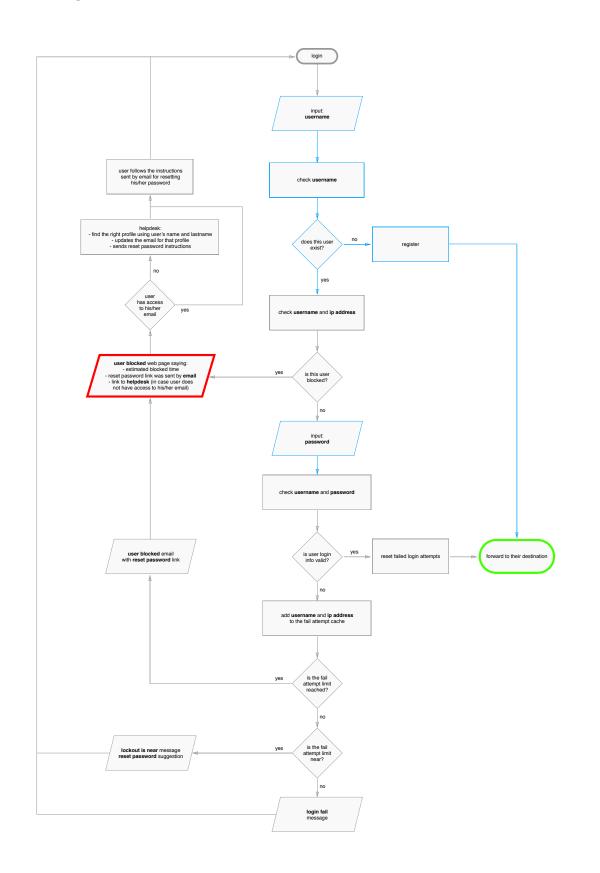
This version became in fact only a first iteration, but other two were generated as well.

Iteration #1

- "lockout is near" warning
- password reset link by email
- link to helpdesk



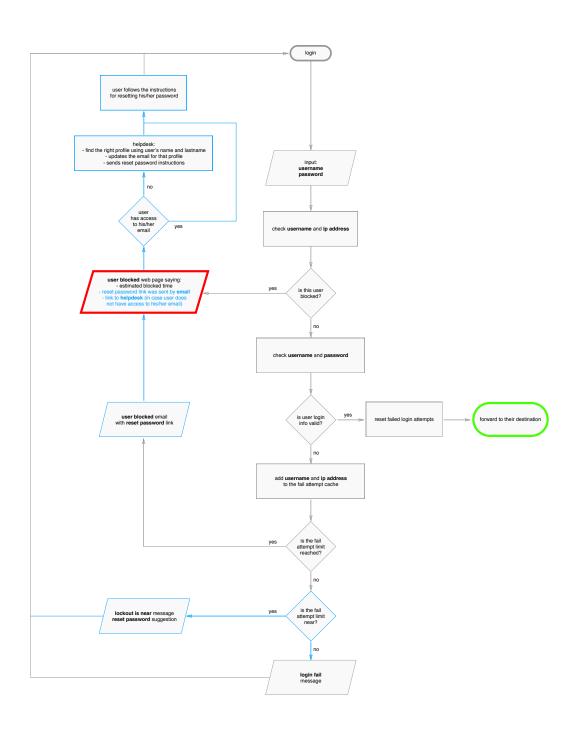
- username and password separation
- inexisting account easy detection
- register added as natural part of the flow



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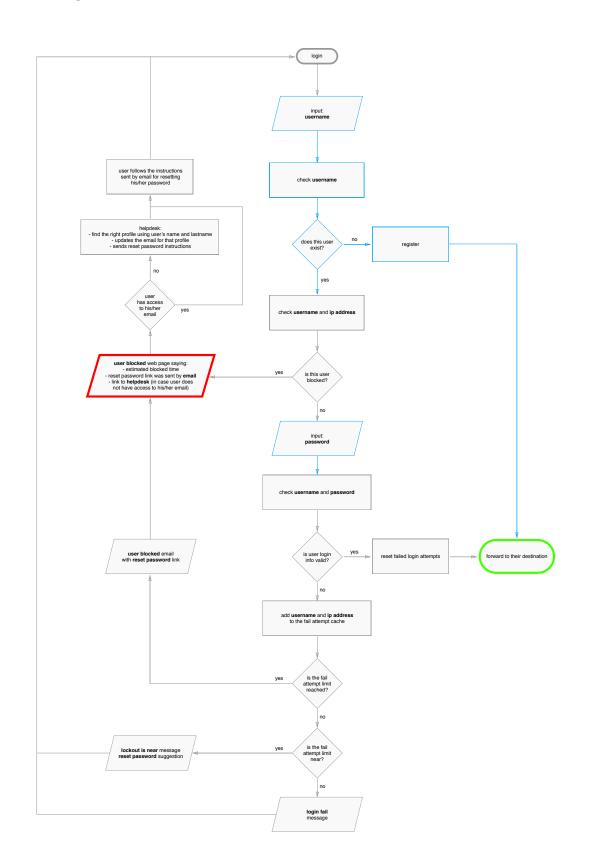
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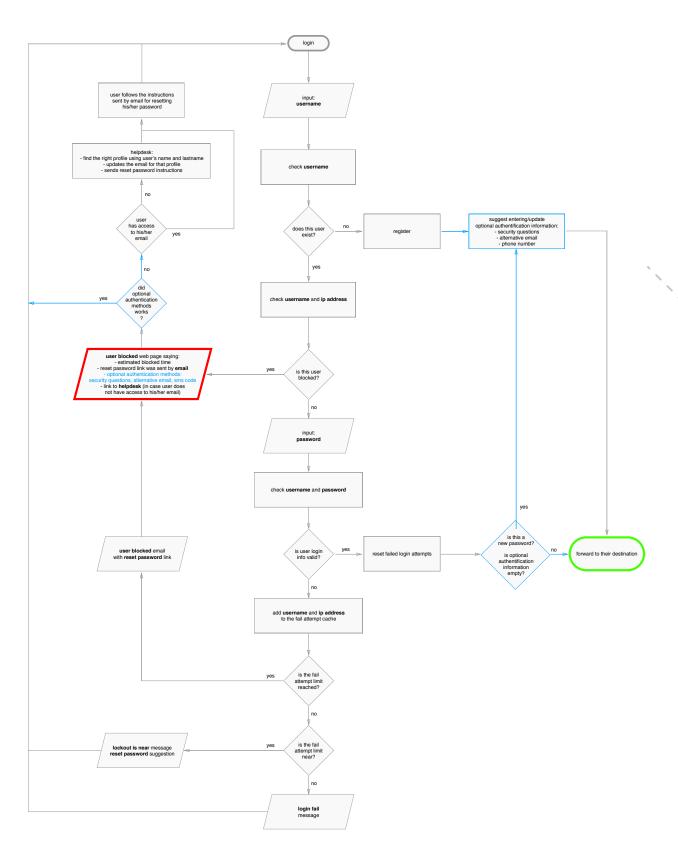


Iteration #2

- username and password separation
- inexisting account easy detection
- register added as natural part of the flow



- added optional authentication information
- increase user power to unlock his/her account by himself/herself

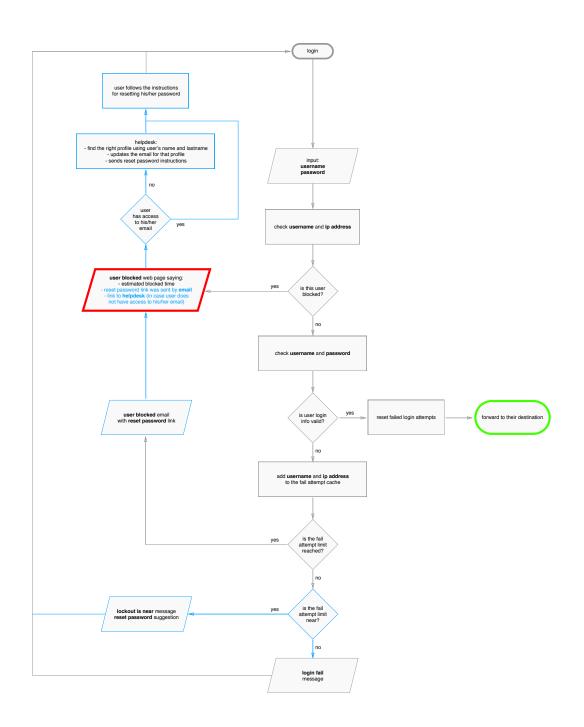


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From this **road-map** to the complete solution

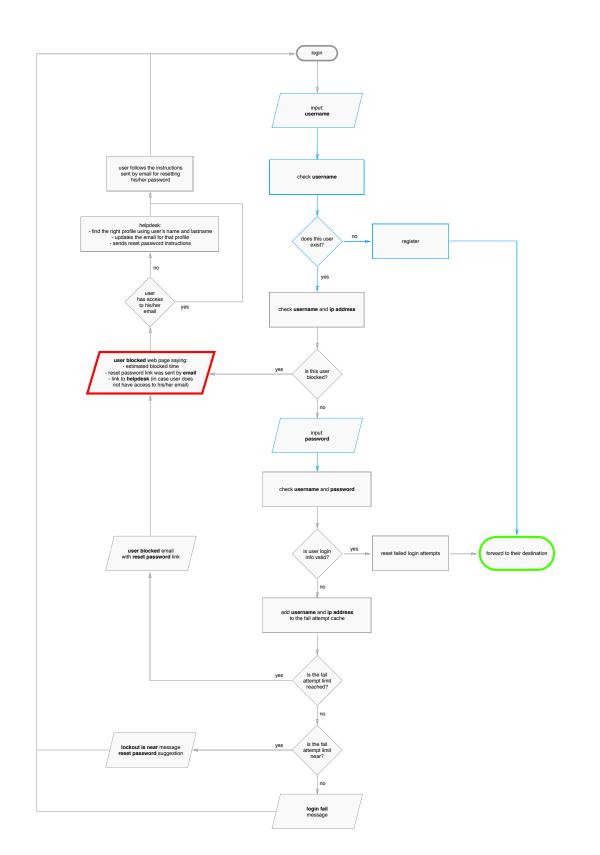
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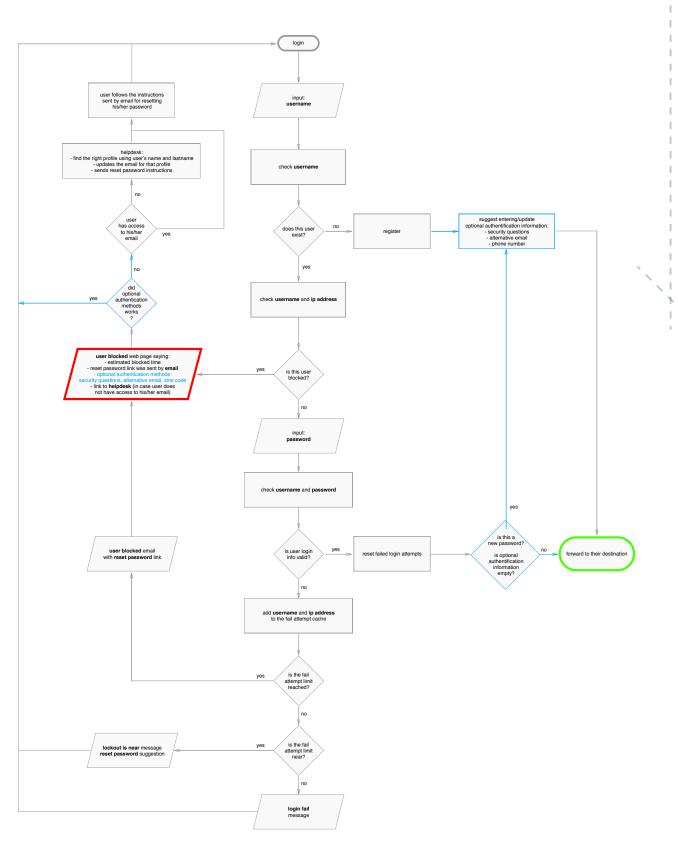


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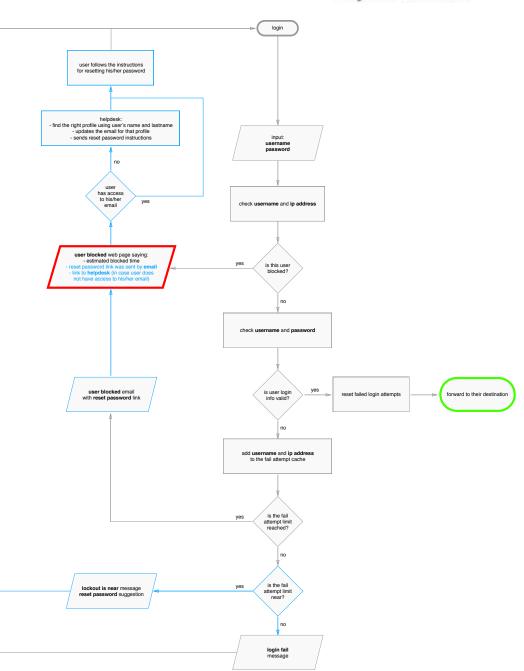
From this road-map to the complete solution, Bryan as Product Owner choose to concentrate efforts on the first iteration for the current sprint.

Iteration #1

- "lockout is near" warning
- password reset link by email
- link to helpdesk

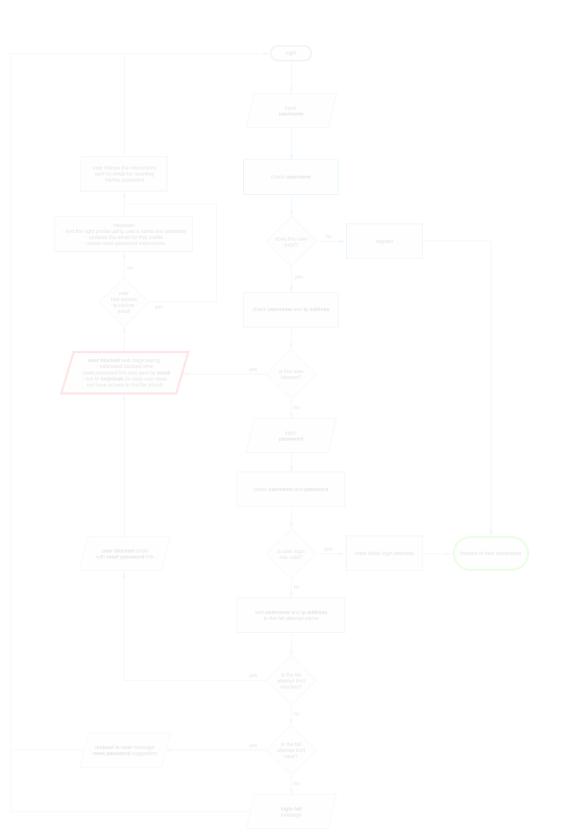


Bryan Robitaille

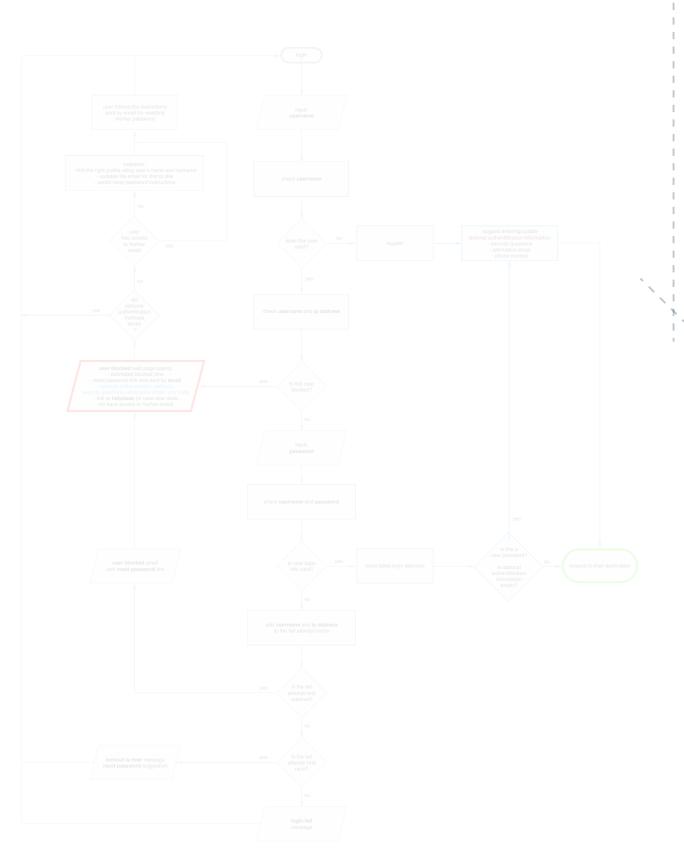


Iteration #2

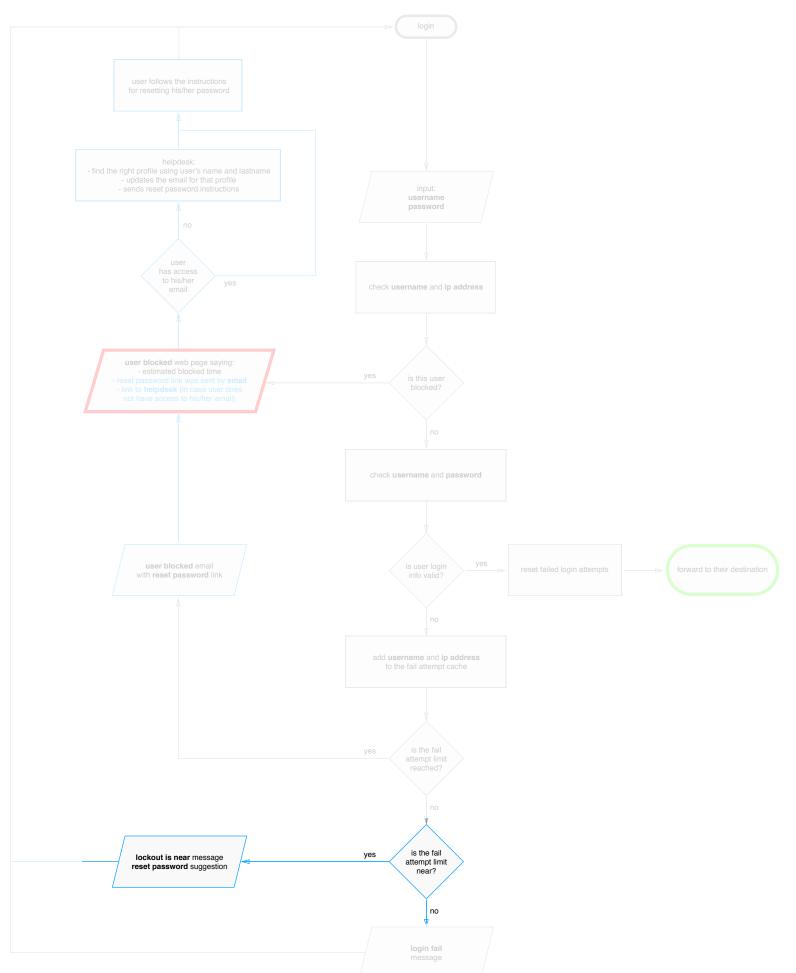
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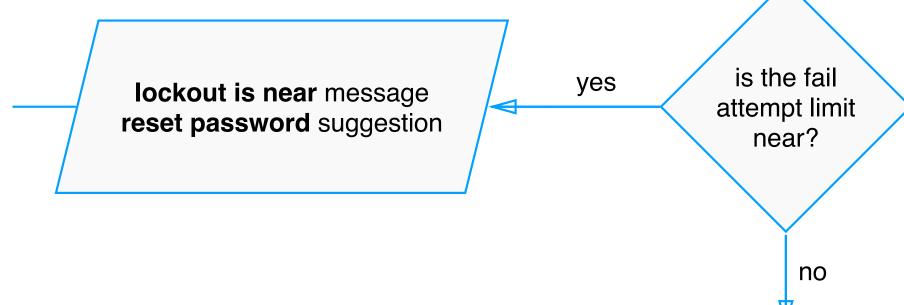


- added optional authentication information
- increase user power to unlock his/her account by himself/herself



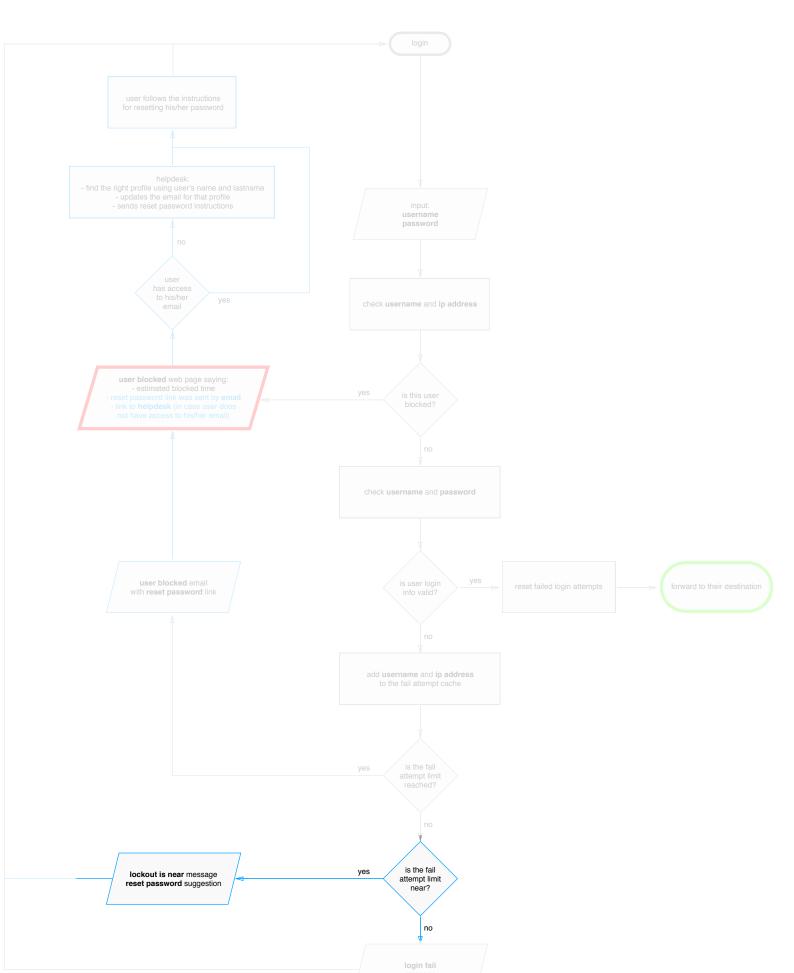
Are we near to lock the account?

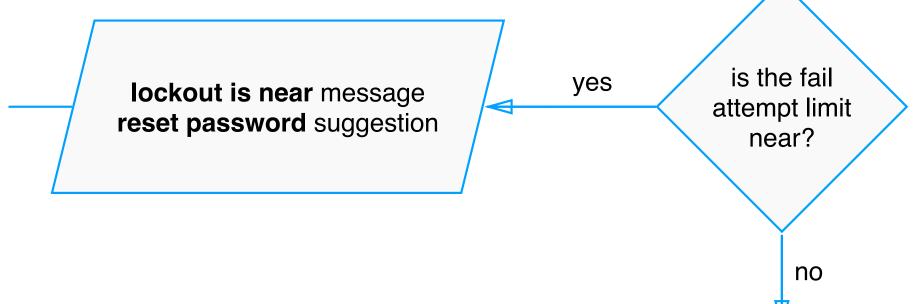


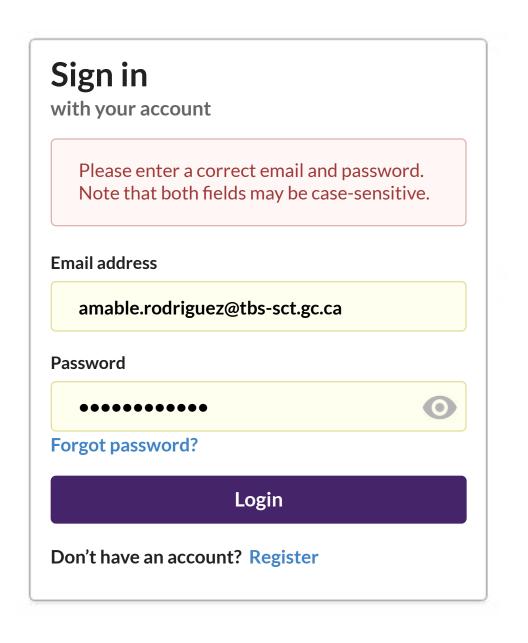


Are we near to lock the account?

Based on current login fail message,



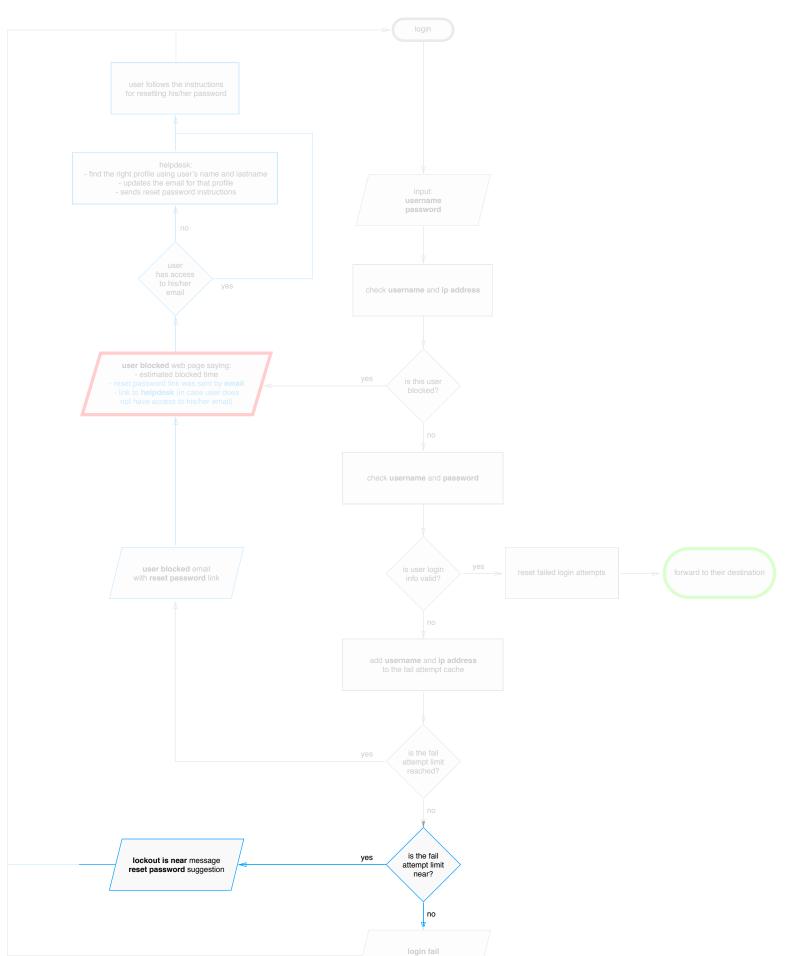




Are we near to lock the account?

Based on current login fail message, we created a warning message indicating the number of attempts left, a reminder to reset the password and a link to help-desk if needed.

Marianne and Donna worked on the texts and details like adding a password structure help reminder.



is the fail yes lockout is near message attempt limit reset password suggestion near? Sign in with your account The password you entered does not match the email's set password. You have 2 attempts left before your account will be locked for 5 minutes. If you have forgotten your password click here to reset it. If you no longer have access to amable.rodriguez@tbs-sct.gc.ca you can contact **help desk** and an agent will help you regain access to your account. Marianne Aubrey **Email address** amable.rodriguez@tbs-sct.gc.ca **Password**

••••••

character and 1 number.

Don't have an account? Register

Note: Your password contains at least 8 characters:

Login

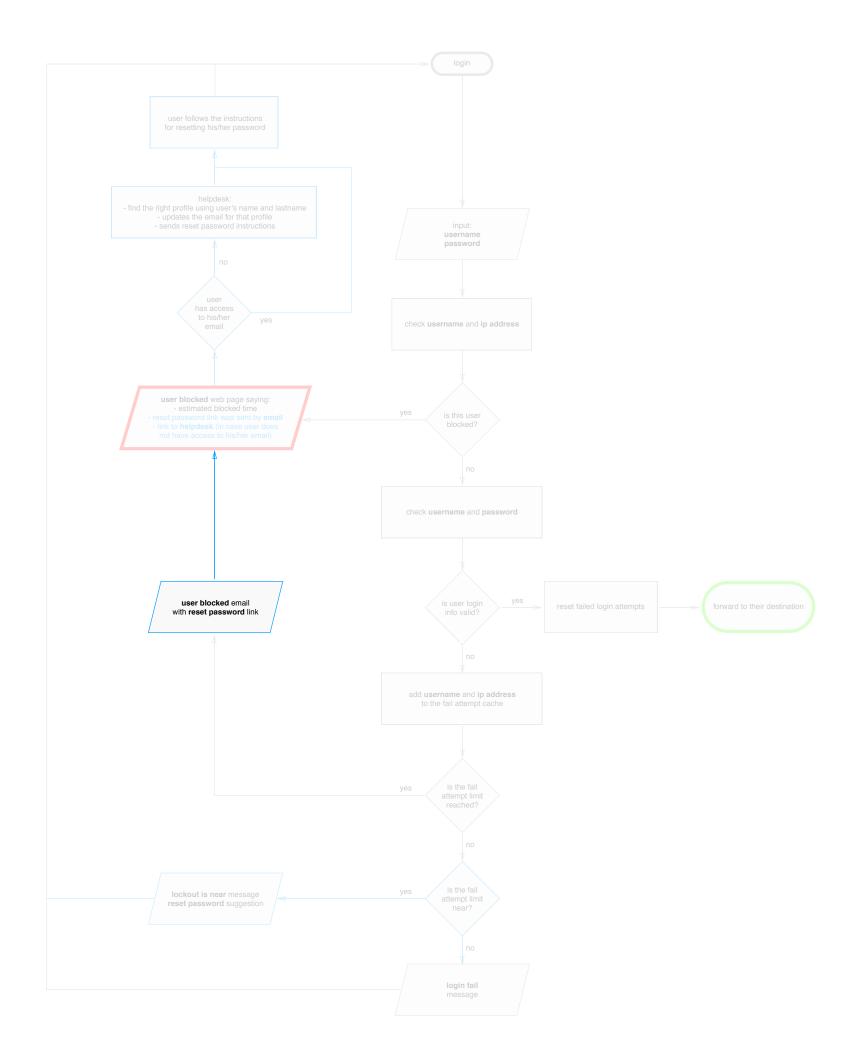
1 lowercase letter, 1 uppercase letter, 1 special

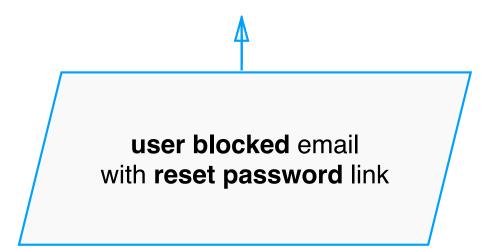
Forgot password?



Donna Monbourquette

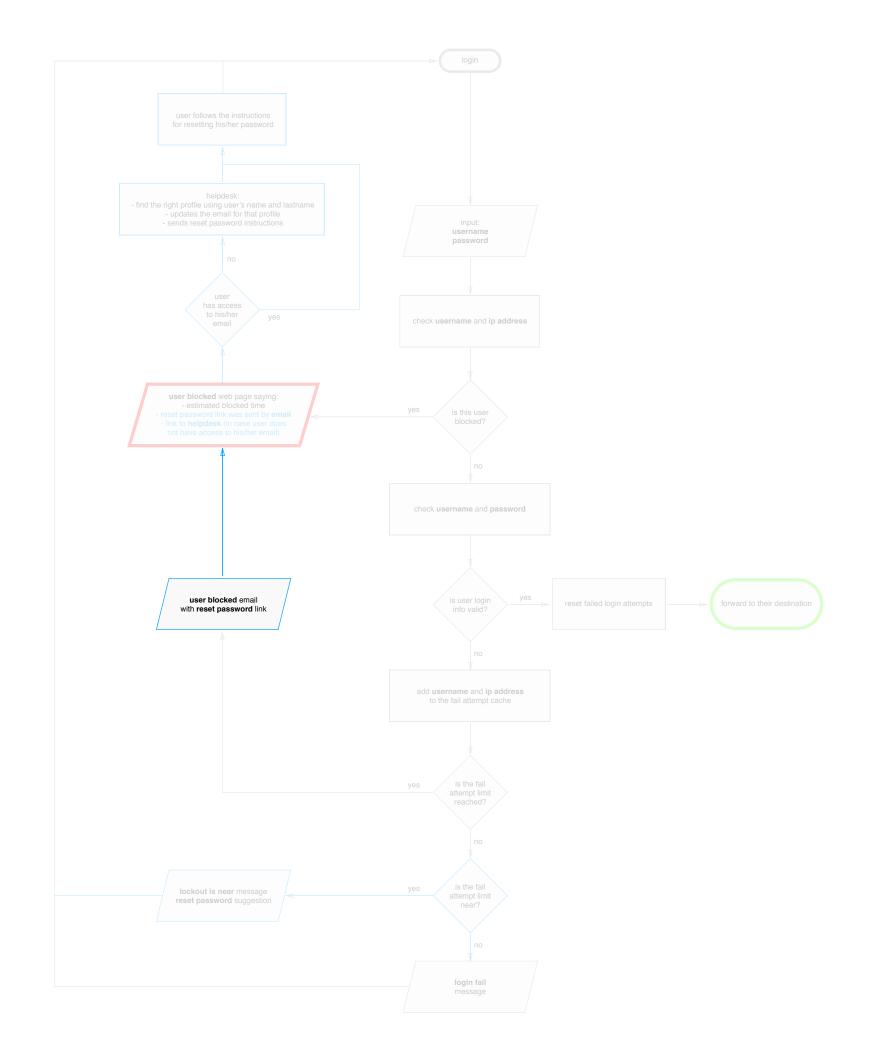
Once the user account is locked, a reset password email is automatically sent to his email address.

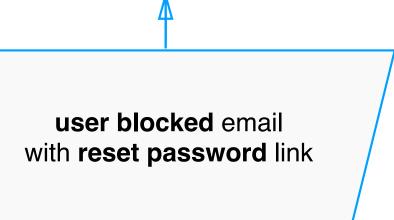




Once the user account is locked, a reset password email is automatically sent to his email address.

Starting from the current recovery password email,





From: security@server.com to: amable.rodriguez@tbs-sct.gc.ca

Hi amable.rodriguez,

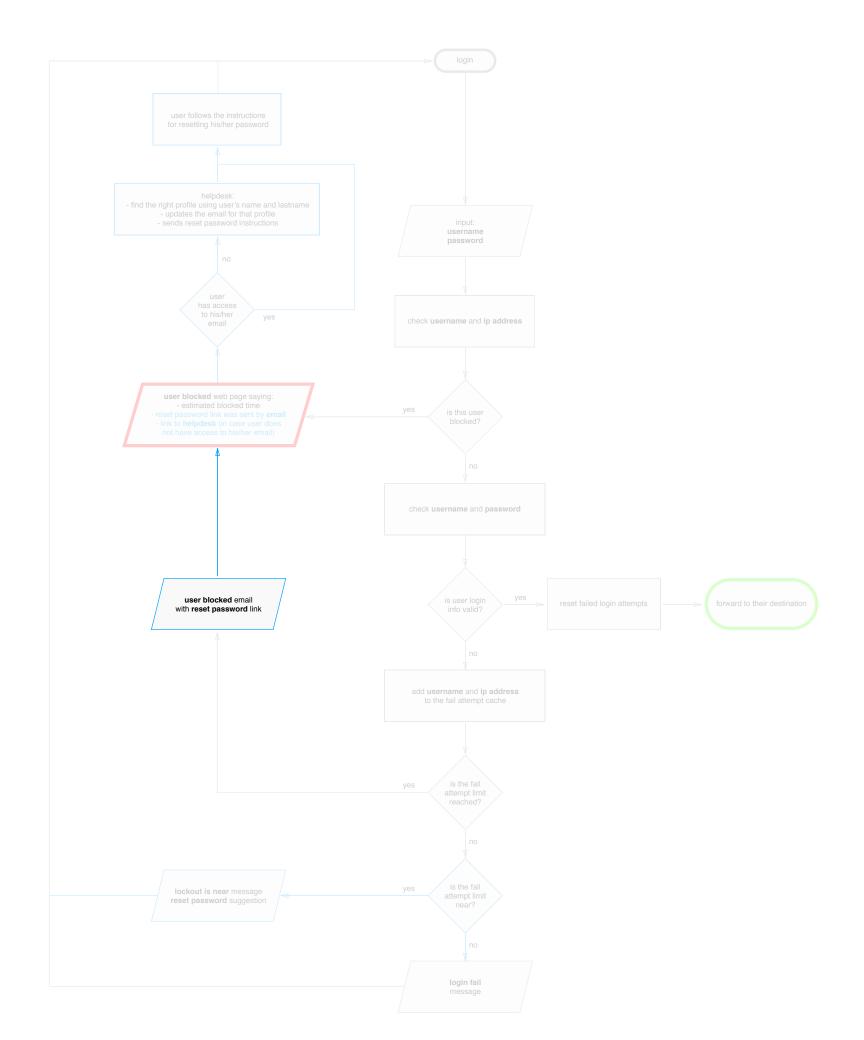
You asked to change your password. Please follow this link to set a new password.

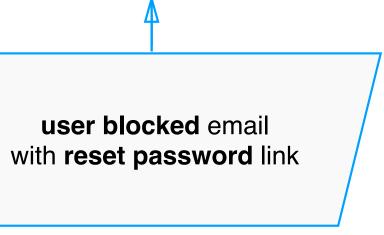
https://security.passwordrecovery.org/ 50498478370740738378740387208723

You can ignore this email if you have not requested to change your password.

Once the user account is locked, a reset password email is automatically sent to his email address.

Starting from the current recovery password email, Marianne and Donna contribute to making it better,





From: security@server.com to: amable.rodriguez@tbs-sct.gc.ca

This is a system-generated message from GCcollab. Please do not reply this message | Ceci est un message généré par le système de GCcollab. Veuillez ne pas répondre à ce message

GCcollab

Hi Amable.

We received a request to change your password. You can click on the link below to reset your password:

https://security.passwordrecovery.org/50498478370740738378740387208723

If you didn't request a password reset, you can safely ignore this email. Your password will not change.

If you are still having password or account issues after using the reset link, you can contact the help desk and an agent will help you change your password.

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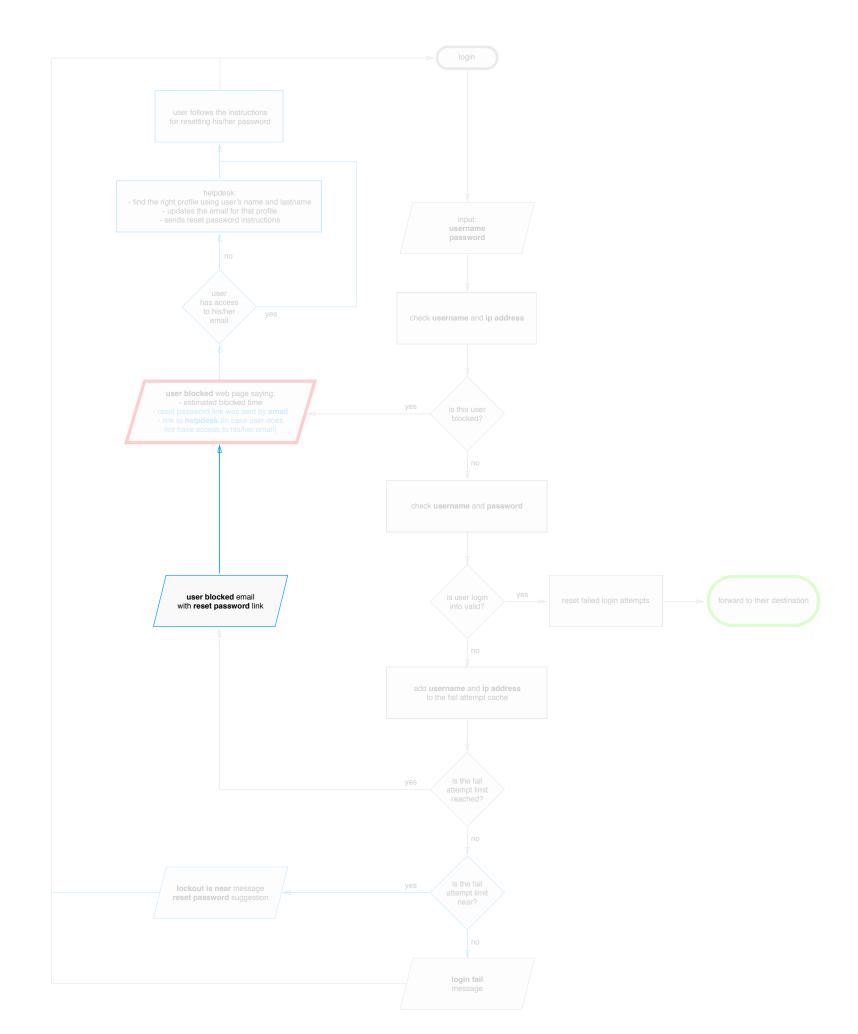
Marianne Aubrey

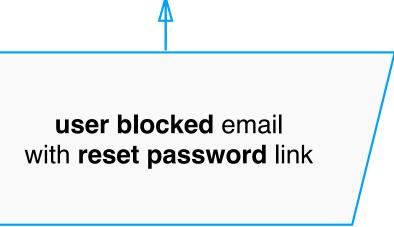


Donna Monbourquette

Once the user account is locked, a reset password email is automatically sent to his email address.

Starting from the current recovery password email, Marianne and Donna contribute to making it better, and we used to create the new account locked email.





From: security@server.com to: amable.rodriguez@tbs-sct.gc.ca

This is a system-generated message from GCcollab. Please do not reply this message | Ceci est un message généré par le système de GCcollab. Veuillez ne pas répondre à ce message

GCcollab

Hi Amable.

Your account has been locked as the incorrect password had been entered too many times. You will need to reset your password, which you can do by clicking the link below.

https://security.passwordrecovery.org/50498478370740738378740387208723

Your account will be unlocked after resetting your password, and you should be able to log in normally.

If you are still having password issues after using the reset link, you can contact the help desk and an agent will help you change your password and get back into your account.

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Marianne Aubrey



Donna Monbourquette

After account is locked, a message showing the possible alternatives the user has is a very important an delicate stage of the process.

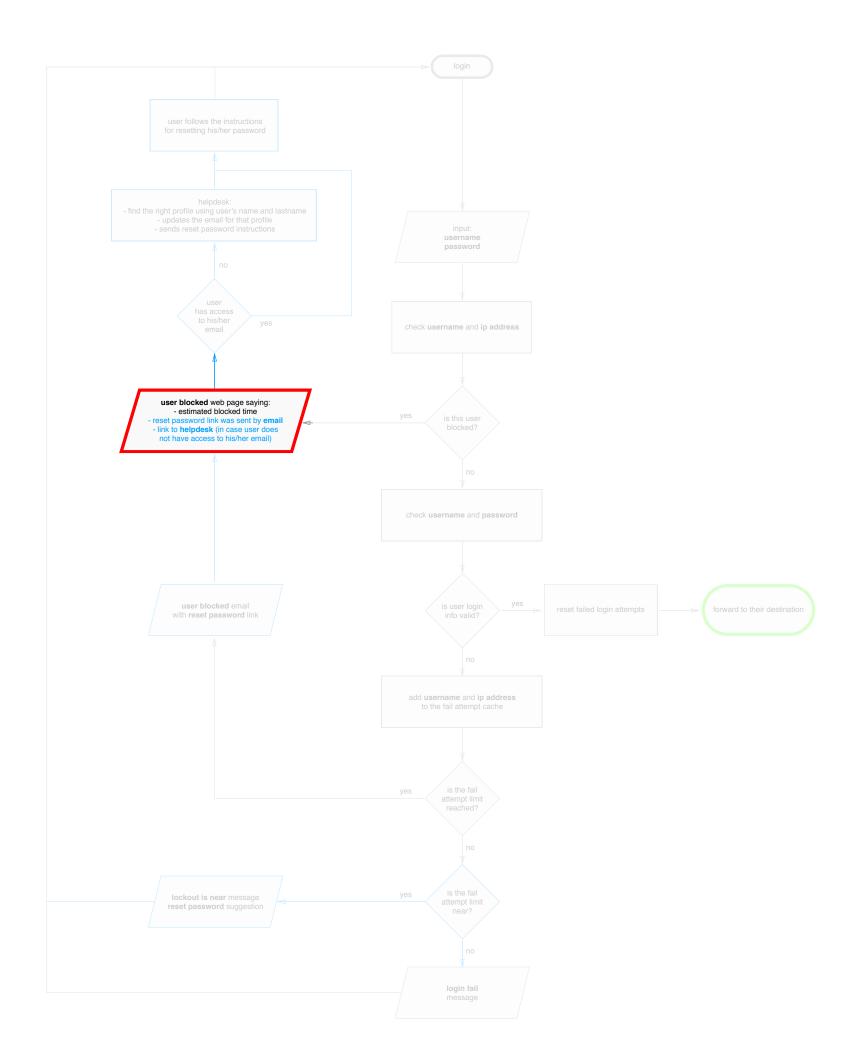


user blocked web page saying:

- estimated blocked time
- reset password link was sent by **email**
- link to **helpdesk** (in case user does not have access to his/her email)

After account is locked, a message showing the possible alternatives the user has is a very important an delicate stage of the process.

Based on the default account locked message,



user blocked web page saying:

- estimated blocked time
- reset password link was sent by **email**
- link to **helpdesk** (in case user does not have access to his/her email)

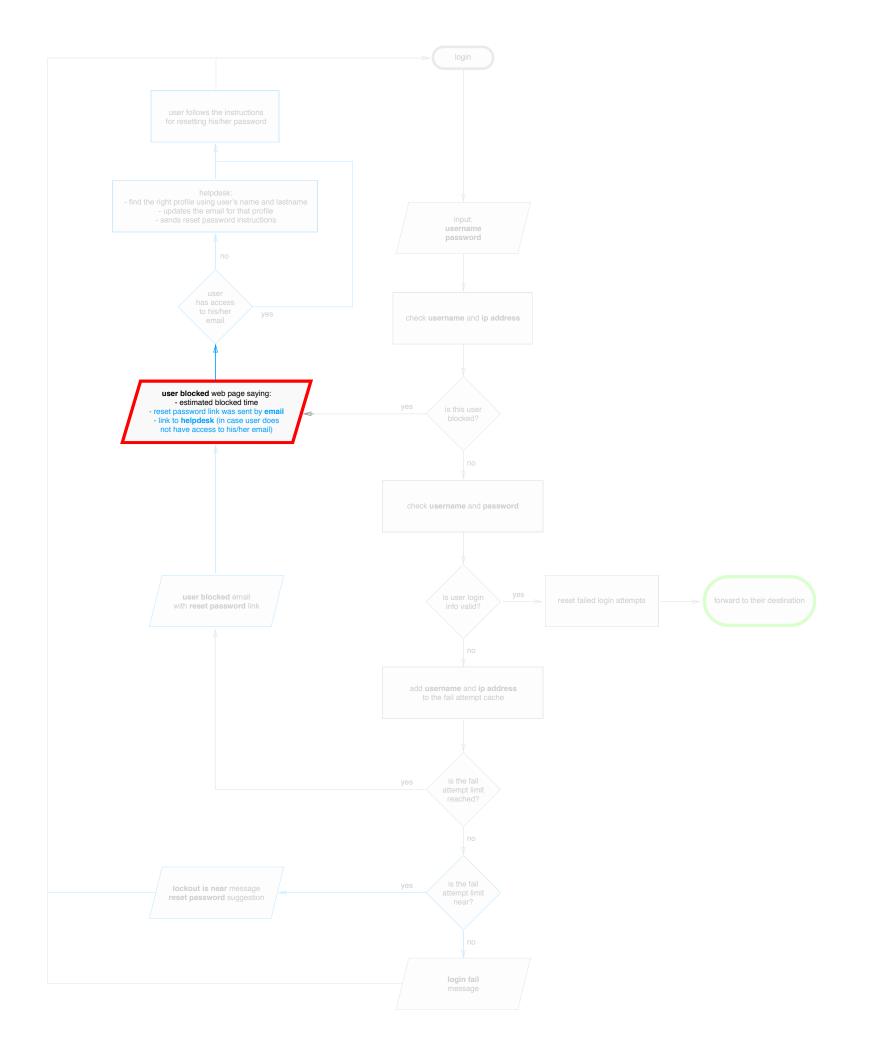
Security Alert

3 or more failed login attempts Account locked for 10,0 minutes

Return to login

After account is locked, a message showing the possible alternatives the user has is a very important an delicate stage of the process.

Based on the default account locked message, the team came up with a more informative and useful message.



user blocked web page saying:

- estimated blocked time
- reset password link was sent by **email**
- link to helpdesk (in case user does not have access to his/her email)

Security Alert

Account locked

Your account has been temporarily locked for 5 minutes as the incorrect password has been entered 5 times.

An email has been sent to amable.rodriguez@tbs-sct.gc.ca to reset your password and unlock your account.

If you no longer have access to amable.rodriguez@tbs-sct.gc.ca
you can contact help desk and an agent will help you get back into your account.

Back to Login

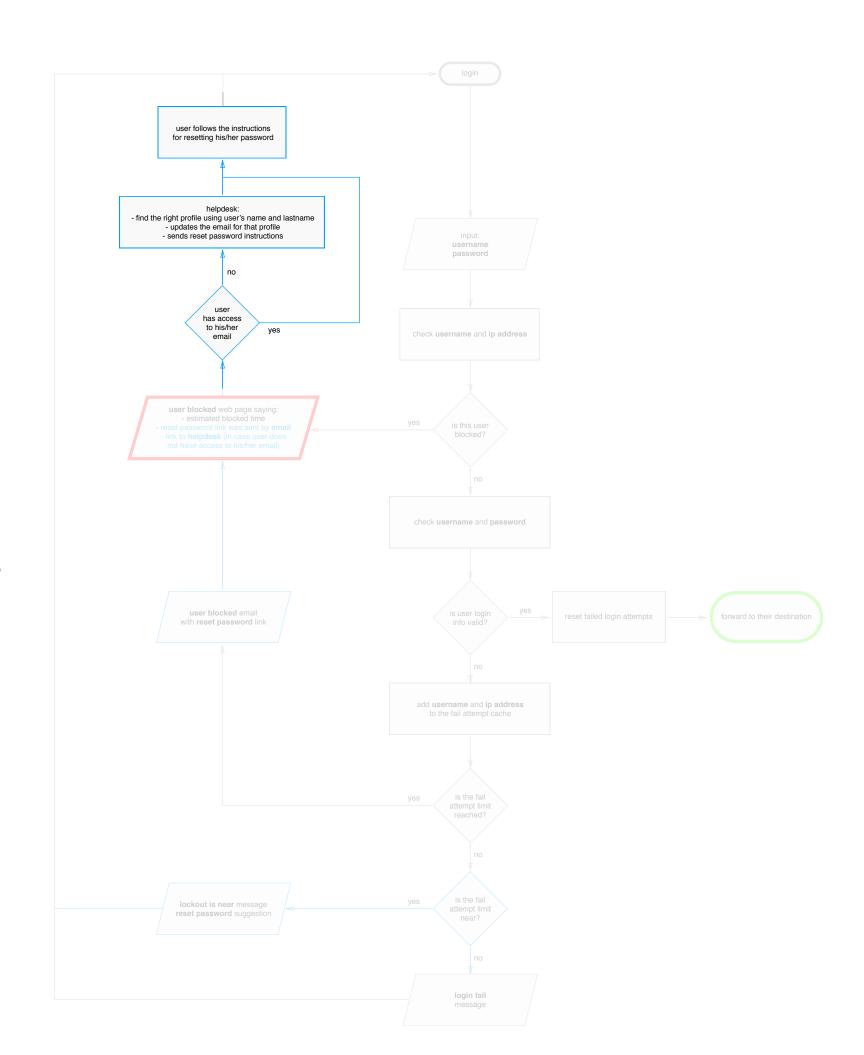


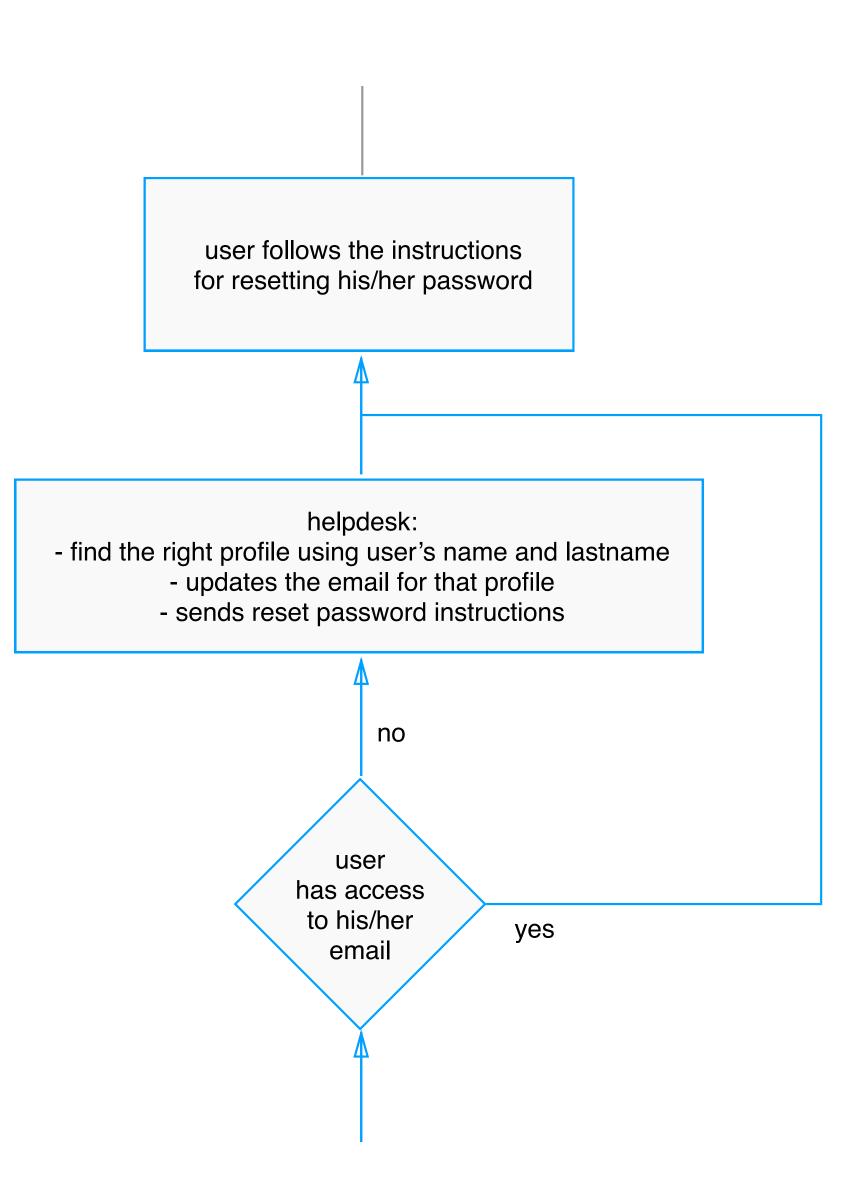
Marianne Aubrey



Donna Monbourquette

If the user does not have access to their account, they will contact help-desk in order to manually change the email address of their account and, after receiving the reset password email, follow the steps to regain access to their account.



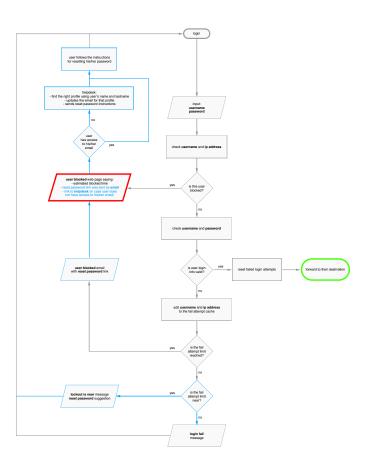


5. Deliverables

For this sprint, a work-flow containing 3 iterations was created.

Iteration #1

- "lockout is near" warning
- password reset link by email
- link to helpdesk

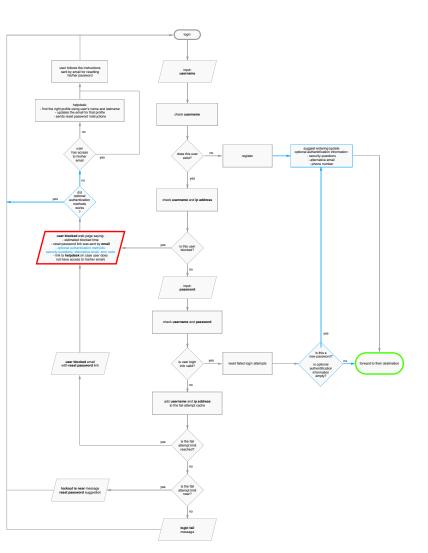


Iteration #2

- username and password separation
- inexisting account easy detection
- register added as natural part of the flow

user follows the indications of the control of the

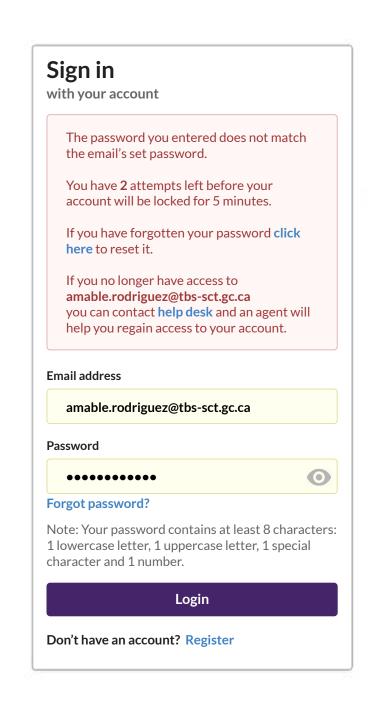
- added optional authentication information
- increase user power to unlock his/her account by himself/herself



5. Deliverables

For this sprint, a workflow containing 3 iterations was created.

All the new screens needed to implement the first iteration were created as well.

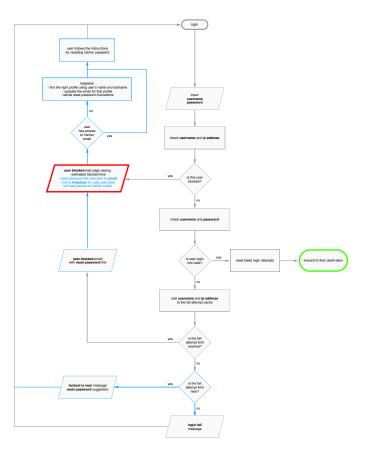


Iteration #1

- "lockout is near" warning
- password reset link by email
- link to helpdesk

From: security@server.com

to: amable.rodriguez@tbs-sct.gc.ca

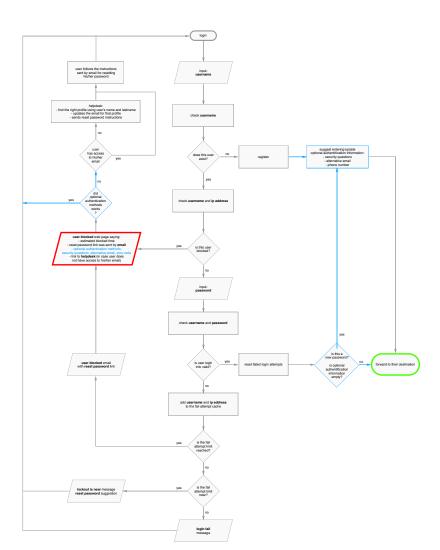


Iteration #2

- username and password separation
- inexisting account easy detection
- register added as natural part of the flow

Iteration #3

- added optional authentication information
- increase user power to unlock his/her account by himself/herself



GCcollab

Hi Amable.

We received a request to change your password. You can click on the link below to reset your password:

https://security.passwordrecovery.org/50498478370740738378740387208723

If you didn't request a password reset, you can safely ignore this email

If you are still having password or account issues after using the reset change your password.

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If you are still having password and get back into your account.

GCCollab - Support

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OCCOLLAB - Support

Treasury Board of Canada Secretariat | Secrétariat du Conseil du Trés

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add username and ip address to the fall attempt cache

