## Use case of “Reuseit”

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# Use Case [#1]: A user can sign up to the website

## Description

A user decides to sign up for the website with a valid username and a password

## Level

High level summary

## Trigger

The customer clicks to the sign-up link

## Primary Actor

The Primary Actor is the customer signin up the website

## Stakeholders

* Member accounts

## Preconditions

The customer must have an active internet connection

## Main Success Scenario

1. Customer types a right login
2. Customer types a right password
3. He presses the submit button
4. The website tells that the login and password correspond.

## Extensions

1. **Exception**: Submitted data is incomplete:
2. System displays a warning message
3. Actor enters additional data.
4. The System responds.
5. **Exception**: Submitted data is incorrect
6. System displays a warning message
7. Actor enters additional data.
8. The System responds.

**Alternative**: Actor clicks to the forgotten password link

1. System asks for the email of the individual
2. He tells a correct email
3. A reset link is sent

## Post Conditions

### Success End Condition

The customer can sign up for the website

The customer will be identified as a member

His new data is visible on the website

### Minimal Guarantees

The member has his account stored into the database (Cloud ?). His password is encrypted into the database with a highly secured crypt method (bcrypt)

### Failure End Condition

The customer may try to sign up with an invalid username. (Not alphanumeric between 4 and 20 characters)  
The customer may try to sign up with an invalid password. (Not alphanumeric between 4 and 20 characters)  
The customer tries to send an avatar image that is too heavy (> 5MB or a unauthorized extension (not .jpg, .jpeg, .png).

## Frequency

Some members sign up the website every day.

## Special Requirements

The sign-up page will be coded with a module.

### Performance

The sign-up page must be as fast as possible. If a data is not stored, the website may warn the customer.

### Security

Password will be not returned in the inscription page. The feature will prevent from mySQL injections or HTML injections. We will encode URL to protect. The password is stored encrypted by bcrypt algorithm.

### Usability / Accessibility

The sign up will be accessible for blind people.

## Issues and Next Steps

Issues:

* No data is specified
* Maximum length of the customer account is reached
* Minimum length of a customer account is not reached
* Maximum length of a customer password is reached
* Minimum length of a customer password is not reached
* Password and login doesn’t correspond
* Avatar is too heavy (more than 5MB)
* Avatar is not in good format (.jpg, .jpeg, .png)

Next Steps:

* Return an error message to a member
* Tell him what to complete to finish the sign-up process

# Use Case [#2]: A user can sign into the website

## Description

A user decides to sign into the website by precising what his username and his password are.

## Level

High level summary

## Trigger

The customer clicks to the sign in link

## Primary Actor

The Primary Actor is the customer logging in for the website.

## Additional/Supporting Actors

Secondary Actors:

* Administrators of the website

## Stakeholders

* Membar datas

## Preconditions

The Customer must have an active internet connection and be signed up to the website.

## Main Success Scenario

1. Customer writes his login
2. The website checks his login and password
3. The website says it’s OK
4. It sends a message to the header (???) to redirect the user to the index page

## Extensions

1. **Exception**: Submitted data is incomplete:
2. System displays a warning message
3. Actor enters additional data.
4. The System responds.
5. **Alternative**: Actor click on “forgotten password”
6. System redirects in to a page
7. Client type a correct email
8. System sends an email to reset his password
9. **Alternative**: Actor doesn’t have a login
10. He clicks on subscription link
11. He does the process of signing up
12. He comes back to the sign in page

## Post Conditions

### Success End Condition

The customer type a write combination of password and account name

The systems confirm that his ids are ok

The user is redirected to the homepage

### Minimal Guarantees

The password of the customer is hidden. The customer has his password sent with security rules. His password is not returned by the system.

### Failure End Condition

The customer can register again with the same username

## Frequency

[Indicate how often the use case is expected to occur. This information aids designers and developers in understanding capacity requirements.]

Few members connects to the website every day.

## Special Requirements

[Describe any additional factors that impact the execution of the use case. These could be environmental, regulatory, organizational or market-driven in nature.]

### Performance

The customer should be taken to the order confirmation screen with 10 seconds of entering payment information.

### Security

Password will be masked in the inscription page and not returned to it in clear. The feature will prevent from mySQL injections or HTML injection. We will encode URL to protect.

### Usability / Accessibility

Order page must comply with Americans with Disabilities Act requirements.

Customer must be able to view page in English, French and Spanish.

### Other

## Issues and Next Steps

[Note any issues related to the definition of this use case that will require clarification prior to development. Also list any follow-up work that needs to be done prior to sign-off on the use case.]

Issues:

* Maximum length of checking account number
* Currency exchange rate update frequency

Next Steps:

* Obtain tax tables for U.S. states and territories

# Use Case [#3]: A member can modify his data

## Description

A user can update his data, except his username

## Level

High level summary

## Trigger

The customer clicks to the options link

## Primary Actor

The Primary Actor is the customer editing his data

## Additional/Supporting Actors

Secondary Actors:

Administrator

## Stakeholders

Stakeholders:

* Member database

## Preconditions

The Customer [Primary Actor] must have an active internet connection, logged in the [reuseit] website open in the browser.

## Main Success Scenario

[Document the steps that illustrate the straightest or simplest path (the “happy path”) to accomplishing the goal. The main success scenario should describe the actors’ actions/stimuli and system response to the action or stimulus. This scenario should always end with a success end condition.]

1. Customer fulfills a formulary
2. The systems tell that data is in a correct format
3. The data of the customer are updated
4. The customer goes back to the option with non-confidential options shown

## Extensions

1. **Exception**: Submitted data are incomplete:
2. System displays a warning message
3. Actor enters additional data.
4. The System responds.
5. **Alternative**: Actor uploads a document with required data.
6. System confirms upload.
7. System processes data.
8. System sends confirmation.

## Post Conditions

### Success End Condition

The customer can edit his information

The systems update all his data

His data are visible in the option page

### Minimal Guarantees

The member has his account stored into the database.

### Failure End Condition

The customer can try to update his information with a correct syntax of the data.

## Frequency

Few members connect to the website every day.

## Special Requirements

### Performance

The customer data has to be updated by few seconds at most.

### Security

Password will not be shown in the option page and not returned. The feature will prevent from mySQL injections or HTML injection. We will encode URL to protect. The data will be secured with a salt GET argument.

### Usability / Accessibility

Option page must comply with Americans with disabilities. Act requirements. Customer must be able to view page in English, French and Spanish.

### Others

## Issues and Next Steps

Issues:

* Old password is unspecified
* Old password is incorrect
* New password is unspecified
* New password is in an incorrect format
* New password is in a
* Currency exchange rate update frequency

Next Steps:

* Obtain tax tables for U.S. states and territories

# Use Case [#4]: A member can create a subject

## Description

A user can create a new subject by describing its name and its content plus an additional task on it

## Level

High level summary

## Trigger

The customer clicks to a forum page

## Primary Actor

The Primary Actor is the customer creating a topic

## Additional/Supporting Actors

Secondary Actors:

Administrator

## Stakeholders

Stakeholders:

* Subject database
* Forum database

## Preconditions

The Customer [Primary Actor] must have an active internet connection, logged in the [reuseit] website open in the browser.

## Main Success Scenario

1. Customer fulfills a formulary
2. The system tell data (subject, message, task) is in a correct format
3. The data of the customer are updated
4. The customer goes back to the option with non-confidential options shown

## Extensions

1. **Exception**: Submitted data are incomplete or incorrect
2. System displays a warning message
3. Actor enters additional data.
4. The System responds.
5. **Alternative**: Actor uploads a document with required data.
6. System confirms upload.
7. System processes data.
8. System sends confirmation.

## Post Conditions

### Success End Condition

The customer can send the content of a new subject

The system create a new line into the table subject

His subject is visible for any user that got the link

The link of the topic is available for all user of the website

### Minimal Guarantees

The member has his subject stored into the database.

### Failure End Condition

The customer can try to fulfull the formulary or change the task to be a member’s one or NULL.

## Frequency

Few members create a subject every day.

## Special Requirements

### Performance

The customer data must be updated by few seconds at most.

### Security

Password will not be shown in the option page and won’t be returned. The feature will prevent from mySQL injections or HTML injection. We will encode URL to protect. The data will be secured with a salt GET argument.

### Usability / Accessibility

Option page must comply with Americans with disabilities. Act requirements. Customer must be able to view page in English, French and Spanish.

### Others

## Issues and Next Steps

Issues:

* Old password is unspecified
* Old password is incorrect
* New password is unspecified
* New password is in an incorrect format
* New password is in a
* Currency exchange rate update frequency

Next Steps:

* Obtain tax tables for U.S. states and territories