## Use case of “Reuseit”

Table des matières

[Use case of “Reuseit” 0](#_Toc120737756)

[1 Use Case [#1]: A user can sign up to the website 3](#_Toc120737757)

[1.1 Description 3](#_Toc120737758)

[1.2 Level 3](#_Toc120737759)

[1.3 Trigger 3](#_Toc120737760)

[1.4 Primary Actor 3](#_Toc120737761)

[1.5 Stakeholders 3](#_Toc120737762)

[1.6 Preconditions 3](#_Toc120737763)

[1.7 Main Success Scenario 3](#_Toc120737764)

[1.8 Extensions 3](#_Toc120737765)

[1.9 Post Conditions 4](#_Toc120737766)

[1.9.1 Success End Condition 4](#_Toc120737767)

[1.9.2 Minimal Guarantees 4](#_Toc120737768)

[1.9.3 Failure End Condition 4](#_Toc120737769)

[1.10 Frequency 4](#_Toc120737770)

[1.11 Special Requirements 4](#_Toc120737771)

[1.11.1 Performance 4](#_Toc120737772)

[1.11.2 Security 4](#_Toc120737773)

[1.11.3 Usability / Accessibility 4](#_Toc120737774)

[1.12 Issues and Next Steps 4](#_Toc120737775)

[2 Use Case [#2]: A user can sign into the website 6](#_Toc120737776)

[2.1 Description 6](#_Toc120737777)

[2.2 Level 6](#_Toc120737778)

[2.3 Trigger 6](#_Toc120737779)

[2.4 Primary Actor 6](#_Toc120737780)

[2.5 Additional/Supporting Actors 6](#_Toc120737781)

[2.6 Stakeholders 6](#_Toc120737782)

[2.7 Preconditions 6](#_Toc120737783)

[2.8 Main Success Scenario 6](#_Toc120737784)

[2.9 Extensions 6](#_Toc120737785)

[2.10 Post Conditions 7](#_Toc120737786)

[2.10.1 Success End Condition 7](#_Toc120737787)

[2.10.2 Minimal Guarantees 7](#_Toc120737788)

[2.10.3 Failure End Condition 7](#_Toc120737789)

[2.11 Frequency 7](#_Toc120737790)

[2.12 Special Requirements 7](#_Toc120737791)

[2.12.1 Performance 7](#_Toc120737792)

[2.12.2 Security 7](#_Toc120737793)

[2.12.3 Usability / Accessibility 7](#_Toc120737794)

[2.12.4 Other 7](#_Toc120737795)

[2.13 Issues and Next Steps 8](#_Toc120737796)

[3 Use Case [#3]: A user can see every forum 9](#_Toc120737797)

[3.1 Description 9](#_Toc120737798)

[Level 9](#_Toc120737799)

[3.2 Trigger 9](#_Toc120737800)

[3.3 Primary Actor 9](#_Toc120737801)

[3.4 Additional/Supporting Actors 9](#_Toc120737802)

[3.5 Stakeholders 9](#_Toc120737803)

[3.6 Preconditions 9](#_Toc120737804)

[3.7 Main Success Scenario 9](#_Toc120737805)

[3.8 Post Conditions 9](#_Toc120737806)

[3.8.1 Success End Condition 9](#_Toc120737807)

[3.8.2 Minimal Guarantees 9](#_Toc120737808)

[3.8.3 Failure End Condition 9](#_Toc120737809)

[3.9 Frequency 10](#_Toc120737810)

[3.10 Special Requirements 10](#_Toc120737811)

[3.10.1 Performance 10](#_Toc120737812)

[3.10.2 Security 10](#_Toc120737813)

[3.10.3 Usability / Accessibility 10](#_Toc120737814)

[3.10.4 Other 10](#_Toc120737815)

[3.11 Issues and Next Steps 10](#_Toc120737816)

[4 Use Case [#5]: A user can see every topic 11](#_Toc120737817)

[4.1 Description 11](#_Toc120737818)

[Level 11](#_Toc120737819)

[4.2 Trigger 11](#_Toc120737820)

[4.3 Primary Actor 11](#_Toc120737821)

[4.4 Additional/Supporting Actors 11](#_Toc120737822)

[4.5 Stakeholders 11](#_Toc120737823)

[4.6 Preconditions 11](#_Toc120737824)

[4.7 Main Success Scenario 11](#_Toc120737825)

[4.8 Post Conditions 11](#_Toc120737826)

[4.8.1 Success End Condition 11](#_Toc120737827)

[4.8.2 Minimal Guarantees 11](#_Toc120737828)

[4.8.3 Failure End Condition 11](#_Toc120737829)

[4.9 Frequency 12](#_Toc120737830)

[4.10 Special Requirements 12](#_Toc120737831)

[4.10.1 Performance 12](#_Toc120737832)

[4.10.2 Security 12](#_Toc120737833)

[4.10.3 Usability / Accessibility 12](#_Toc120737834)

[4.10.4 Other 12](#_Toc120737835)

[4.11 Issues and Next Steps 12](#_Toc120737836)

[5 Use Case [#5]: A user can see every message 13](#_Toc120737837)

[5.1 Description 13](#_Toc120737838)

[Level 13](#_Toc120737839)

[5.2 Trigger 13](#_Toc120737840)

[5.3 Primary Actor 13](#_Toc120737841)

[5.4 Additional/Supporting Actors 13](#_Toc120737842)

[5.5 Stakeholders 13](#_Toc120737843)

[5.6 Preconditions 13](#_Toc120737844)

[5.7 Main Success Scenario 13](#_Toc120737845)

[5.8 Post Conditions 13](#_Toc120737846)

[5.8.1 Success End Condition 13](#_Toc120737847)

[5.8.2 Minimal Guarantees 13](#_Toc120737848)

[5.8.3 Failure End Condition 14](#_Toc120737849)

[5.9 Frequency 14](#_Toc120737850)

[5.10 Special Requirements 14](#_Toc120737851)

[5.10.1 Performance 14](#_Toc120737852)

[5.10.2 Security 14](#_Toc120737853)

[5.10.3 Usability / Accessibility 14](#_Toc120737854)

[5.10.4 Other 14](#_Toc120737855)

[5.11 Issues and Next Steps 14](#_Toc120737856)

# 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 signing 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:

* The user is a connected member
* 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

* Member data

## 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 types 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 user can see every forum

## Description

Any user can see the list of his authorized forum. He sees lists of forum sorted out by their categories and the creator name (optional)

## Level

High level summary

## Trigger

The customer clicks on the forum lists’ link

## Primary Actor

The Primary Actor is the customer

## Additional/Supporting Actors

Secondary Actors:

* Administrators of the website

## Stakeholders

* Member data
* Forum data

## Preconditions

The Customer must have an active internet connection

## Main Success Scenario

The user clicks on the forum lists’ ink

1. **Exception**: Forum list failed to start
2. Send a message to a developer with the mail in an error page
3. He corrects the page
4. The user goes back to that page

## Post Conditions

### Success End Condition

The customer clicks on the forum lists link and all the list of forums is shown by categories!

### Minimal Guarantees

The database of the forum is accessible, or a custom fatal error page is shown.

### Failure End Condition

The customer can seek for another topic or change his account to try again

## Frequency

Few members connect to the website every day.

## Special Requirements

### Performance

The forum page is displayed fast. We may use a cache to save all forum data.

### Security

Name of forum and forum categories will be protected of HTML injection.

### Usability / Accessibility

Forum page must comply with people with Disabilities Act requirements.

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

### Other

## Issues and Next Steps

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 [#5]: A user can see every topic

## Description

Any user can see the list of not deleted topics. He sees lists of topics sorted out by their categories and the creator’s name (optional)

## Level

High level summary

## Trigger

The customer clicks on a forum lists’ link

## Primary Actor

The Primary Actor is the customer

## Additional/Supporting Actors

Secondary Actors:

* Administrators of the website

## Stakeholders

* Member data
* Forum data

## Preconditions

The Customer must have an active internet connection

## Main Success Scenario

The user clicks on a forum lists’ ink

1. **Exception**: Forum doesn’t eists or not authorized to go
2. He connects himself to the website
3. He goes to admin page
4. The user goes back to the forum

## Post Conditions

### Success End Condition

The customer clicks on a forum and all not deleted subjects can be seen.

### Minimal Guarantees

The database of the forum is accessible, or a custom fatal error page is shown.

### Failure End Condition

The customer can seek for another forum or change his account to try again

## Frequency

Many members goes to a forum page with topics every day. Is a cache useful for this problem?

## Special Requirements

### Performance

The forum page is displayed fast. We may use a cache to save all forum data.

### Security

Name of forum and topic titles will be protected of HTML injection.

### Usability / Accessibility

Forum page must comply with people with Disabilities Act requirements.

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

### Other

## Issues and Next Steps

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 [#5]: A user can see every message

## Description

Any user can see the list of not deleted messages from a topic that he is authorized to be a part of viewers. He sees lists of messages sorted by their date in an ASC order.

## Level

High level summary

## Trigger

The customer clicks on a subject link

## Primary Actor

The Primary Actor is the customer

## Additional/Supporting Actors

Secondary Actors:

* Administrators of the website

## Stakeholders

* Member data
* All forum relative tables

## Preconditions

The Customer must have an active internet connection

## Main Success Scenario

The user clicks on a subject link in a subject lists link from a forum page.

**Exception**: Forum doesn’t exist or not authorized to go

1. He connects himself to the website
2. He goes to admin page
3. The user goes back to the forum

## Post Conditions

### Success End Condition

The customer clicks on a topic page and all messages will be shown

### Minimal Guarantees

The database of the message is accessible. The subject is not deleted. The user can read the subject with all tranquility.

### Failure End Condition

The customer can seek for another subject link or change his account to try again

## Frequency

Many members go to topic page with messages every day. Is a cache useful for optimize the problem ?

## Special Requirements

### Performance

The forum page is displayed fast. We may use a cache to save all forum data.

### Security

All data displayed will be protected from HTML injection.

### Usability / Accessibility

Topic page must comply with people with Disabilities Act requirements.

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

### Other

## Issues and Next Steps

Issues:

* Subject no longer exists

Next Steps:

* Go back to the forum page and choose an other subject.