

# EZWallet – Group 23, phase one

## Functional Requirements

### **F1: Manage Users authentication**

1. Log User in
2. Log User out

### **F2: Manage Users**

1. Get all user
2. Create a new User (Register a User)
3. Get a user by username

### **F3: Manage Transactions**

1. Get all transactions
2. Create a new transaction
3. Delete an existing transaction
4. Get all labels

### **F4: Manage Categories**

1. Get all categories
2. Create a new category

## Table of access rights

	Logged out User	Logged in User		
<b>F1.1) Login</b>	yes	yes		
<b>F1.2) Logout</b>	yes	yes		
<b>F1.3)</b>				
<b>F2.1) Get all users</b>	no	yes		
<b>F2.1) Create user</b>	yes			
<b>F2.3) Get user by Username</b>	no	yes		
<b>F3.1) Get all transactions</b>	no	yes		
<b>F3.2) Create a new Transaction</b>	no	yes		
<b>F3.3) Delete transaction</b>	no	yes		
<b>F3.4) Get all labels</b>	no	yes		
<b>F4.4) Get all categories</b>	no	yes		
<b>F4.4) Create a new category</b>	no	yes		

# Non functional requirements

## Usability

1. Users with little to none experience in smartphone use ( < 1 year of usage) must be able to correctly use all functions within a window of 15 min use. During this time, errors must be  $\leq 9$ .
2. Errors in usage must not exceed the number of 3 per day for users that have the app installed for more than one day.

## Efficiency

1. All functions must return in less than 1 sec
2. All views must load in  $\leq 0.5$  sec

## Reliability

1. Max server downtime must be at most 5 min per month
2. The frontend service must be always up, at least to serve an information page to the user

## Maintainability

1. Fixing defects must take no more than 6 ph
2. Adding or updating a function must always take no more than 16 ph
3. Deploying a new version of the server must take little to none human effort (<1ph)
4. Deploying a new version of the client must take little to none human effort (<1ph)

## Portability

1. The app must be usable on all kind of devices
2. The design must be responsive

## Security

1. Authentication must be handled to give access only to registered users