ID	Summary	Status	Requirements
Functional Testing			
1.Account creation			
1.1 Number of account			
EX1-1	Create first account for user(Name: U, Currency: USD)		S1AC1
EX1-2	Create second account for user		S1AC5
EX1-3	Create 20th account for user		S1AC5
EX1-4	Creation of 21th account for user isn't allowed		S1AC5
1.2 Currency field			
EX1-5	Create an account with USD currency		S1AC3
EX1-6	Create an account with BYN currency		S1AC3
EX1-7	Create an account with EUR currency		S1AC3
EX1-8	Creation with empty field Currency isn't allowed		S1AC2
EX1-9	Creation account with more then one currency isn't allowed		S1AC3
1.3 Name field			
EX1-10	Create an account with 1 letter Name		S1AC4
EX1-11	Create an account with 50 letter Name		S1AC4
EX1-12	Create an account with 100 letter Name		S1AC4
EX1-13	Creation an account with 101 letter Name isn't allowed		S1AC4
EX1-14	Creation an account with 1000 letter Name isn't allowed		S1AC4
EX1-15	Create an account with Double Name		
EX1-16	Create an account with Name using different letter case		
EX1-17	Spaces in the beginnig and in the end of the Name are cut		
EX1-18	Create an account with Name with numbers		
EX1-19	Insert/copy text in the field Name(ctrl+v, ctrl+c, right mouse button)		
EX1-20	Creation an account with empty field Name isn't allowed		S1AC2
EX1-21	Creation an account using special characters in Name isn't allowed		
EX1-22	There are asterisks near Name and Currency fields		S1AC2
1.4 Default account			
EX1-23	Mark an account as Default for the first time		S1AC6
EX1-24	Mark an account as Default, previous marked account becomes unmarked		S1AC6
1.5 Messages			
EX1-25	Limited character limit allowed size message		
EX1-26	Input error messages		
2 Categories			

ID	Summary	Status	Requirements
2.1 Creation of categories			
EX1-27	Create first category for account		S2AC1
EX1-28	Create second category for account		S2AC1
EX1-29	Create 10 categories for account		S2AC1
EX1-30	Creation category with existing Name isn't allowed		S2AC4
EX1-31	Creation category without subcategory isn't allowed		S2AC3
EX1-32	Adding second subcategory to category		S2AC2
EX1-33	Adding subcategory with Name what already exist to category isn't allowed		S2AC4
2.2 Name of Category			
EX1-34	Create a category with 1 letter Name		S2AC1
EX1-35	Create a category with 25 letter Name		S2AC1
EX1-36	Create a category with 50 letter Name		S2AC1
EX1-37	Creation of category with 51 letter Name isn't allowed		S2AC1
EX1-38	Creation of category with 70 letter Name isn't allowed		S2AC1
EX1-39	Creation of category with empty Name field isn't allowed		S2AC1
EX1-40	Create a category with Double Name		
EX1-41	Create a category with Name using different letter case		
EX1-42	Spaces in the beginnig and in the end of the Name are cut		
EX1-43	Create a category with Name with numbers		
EX1-44	Insert/copy text in the field Name(ctrl+v, ctrl+c, right mouse button)		
EX1-45	Creation a category using special characters in Name isn't allowed		
EX1-46	There is an asterisk near Name field		
2.3 Name of Subcategory			
EX1-47	Create a subcategory with 1 letter Name		S2AC2
EX1-48	Create a subcategory with 25 letter Name		S2AC2
EX1-49	Create a subcategory with 50 letter Name		S2AC2
EX1-50	Creation of subcategory with 51 letter Name isn't allowed		S2AC2
EX1-51	Creation of subcategory with 70 letter Name isn't allowed		S2AC2
EX1-52	Create a subcategory with Double Name		
EX1-53	Create a subcategory with Name using different letter case		
EX1-54	Spaces in the beginnig and in the end of the Name are cut		
EX1-55	Create a subcategory with Name with numbers		
EX1-56	Insert/copy text in the field Name(ctrl+v, ctrl+c, right mouse button)		
EX1-57	Creation of subcategory with empty Name field isn't allowed		S2AC2

ID	Summary	Status	Requirements
EX1-58	Creation a subcategory using special characters in Name isn't allowed		
EX1-59	There is an asterisk near Name field		
2.4 Messages			
EX1-60	Limited character limit allowed size message		
EX1-61	Input error messages		
3 Expenses			
3.1 Expence field, Amount of expence			
EX1-62	Add min amount of expence		S3AC1
EX1-63	Add expense 5000000 amount		S3AC3
EX1-64	Add expense 1 000 000 000 000 amount		S3AC3
EX1-65	Adding expense 1 000 000 000 00.01 amount isn't allowed		S3AC3
EX1-66	Adding expense 1 000 000 000 001 amount isn't allowed		S3AC3
EX1-67	Add expense 0 amount		S3AC3
EX1-68	Negative numeric value isn't allowed		
EX1-69	Letters aren't allowed		
EX1-70	Special characters aren't allowed		
EX1-71	Fractional values separated by dot		
EX1-72	Thousands separated by commas		
3.2 Expense settings			
EX1-73	Amount added in the currency of the account		S3AC1
EX1-74	Default account is prefield		S3AC2
EX1-75	Current date is prefield		S3AC2
EX1-76	Current time is prefield		S3AC2
EX1-77	Create a new sub-category for the expence		S3AC4
EX1-78	Creating a sub-category without account isn't allowed		S3AC2
EX1-79	Creating a sub-category without amount isn't allowed		S3AC2
EX1-80	Creating a sub-category without sub-category isn't allowed		S3AC2
EX1-81	Creating a sub-category without date isn't allowed		S3AC2
EX1-82	Creating a sub-category without time isn't allowed		S3AC2
EX1-83	Create a sub-category without Note		S3AC2
EX1-84	There are asterisks near fields: account, amount, sub-category, date, time		
3.3 Date and time			
EX1-85	Date format		S3AC2
EX1-86	Time format 24hr		S3AC2

ID	Summary	Status	Requirements
3.4 Note field			
EX1-87	Add Note - 1 char		S3AC2
EX1-86	Add Note - 50 char		S3AC2
EX1-87	Add Note - 100 char		S3AC2
EX1-88	Add Note - 101 char		S3AC2
EX1-89	Add Note - 1000 char		S3AC2
3.5 Messages			
EX1-90	Limited character limit allowed size message		
EX1-91	Input error messages		
EX1-92	There isn't an error message when unrequired fields are empty		
4 Updating categories & sub-categories			
4.1 Rename			
EX1-93	Rename sub-category		S4AC1
EX1-94	After renaming sub-category new name is shown in previous expense records		S4AC1
4.2 Messages			
EX1-95	Confirmation messsage for renaming operation appears		
5 Deleting categories and sub-categories.			
5.1 Delete operations			
EX1-96	Delete unused subcategory		S5AC1
EX1-97	Delete used sub-category and choose another for previous records		S5AC2
EX1-98	Delete used sub-category and not choose another for previous isn't allowed		S5AC2
EX1-99	Delete category wtih unused subcategory		S5AC1
EX1-100	Delete category with used subcategory and choose another for previous records		S5AC3
EX1-101	Delete category with used subcategory and not choose another for previous records isn't allowed		
5.2 Messages			
EX1-102	Confirmation messsage for deleting operation appears		
EX1-103	Pop-up messsage "Please, remove sub-categories first" for deleting category with used sub-category operation appears		S5AC3
6 Updating an existing expense record			
6.1 Edit operation for expense record			
EX1-104	Edit account of expense record		S6AC1
EX1-105	Edit amount of expense record		S6AC1
EX1-106	Edit sub-category of expense record		S6AC1
EX1-107	Edit date*time of expense record		S6AC1
EX1-108	Edit note of expence record		S6AC1

ID	Summary	Status	Requirements
EX1-109	Total expense amounts for accounts are recalculated after change & updated across the system.		S6AC2
6.2 Messages			
EX1-110	Confirmation message for editing		
7 Deleting expences			
7.1 Deleting of expence record			
EX1-111	Delete an existing expense record		S7AC1
EX1-112	Total expense amounts are recalculated after deleting		S7AC1
7.2 Messages			
EX1-113	Confirmation message for deleting operation		
8 Integration			
8.1 Add integration			
EX1-114	There is a page Bank integrations with option 'Add new bank integration'.		*S8AC2*
EX1-115	Integration with BANK1		*S8AC1*
EX1-116	Integration with BANK2		*S8AC1*
EX1-117	Integration with BANK3 isn't allowed		*S8AC1*
EX1-118	Integration with USD		*S8AC1*
EX1-119	Integration with BYN		*S8AC1*
EX1-120	Integration with EUR		*S8AC1*
EX1-121	Integration with other currency (except USD, BYN, EUR) isn't allowed		*S8AC1*
EX1-122	Add a new integration with BANK1		*S8AC3*
8.2 Authorization with bank			
EX1-123	Passing an authorization for users bank.		*S8AC3*
EX1-124	Autorization with bank work on https protocol		
EX1-125	Password hidden by asterixes		
8.3 Messages			
EX1-126	Error message of autorization		
8.4 After authorization			
EX1-127	Select one or several bank accounts to track expense records after authorization		*S8AC3*
EX1-128	Select an expense account for each bank account		*S8AC3*
EX1-129	After selecting bank account(s) user should select an expense account for each of it.		*S8AC3*
8.5 Expense records. Integration			
EX1-130	Expense records is created for the transactions with negative amounts.		S8AC4
EX1-131	Expense records is created starting from the day of adding the bank integration.		S8AC4
EX1-132	Expense records is created for the transactions of previous day.		S8AC5

ID	Summary	Status	Requirements
EX1-133	Expense records for the transactions of previous day is created daily.		S8AC5
EX1-134	Expense records for the transactions of previous day is created at 01.00		S8AC5
8.6 Sub-categories. Integration			
EX1-135	Sub-categories are automatically added for the expense records from a bank integration.		S8AC6
EX1-136	Sub-categories are identified according to the merchant name in the transaction, for example "Pizza Pilgrims" merchant -> Cafes sub-category.		S8AC6
8.7 Edit/Update/Delete			
EX1-137	Edit sub-category for the bank expense records.		S8AC7
EX1-138	Edit amount for the bank expense records.		S8AC7
EX1-139	Edit date&time for the bank expense records.		S8AC7
EX1-140	Edit note for the bank expense records.		S8AC7
EX1-141	Update account for the individual bank expense record.		S8AC8
EX1-142	Change expense account in the bank integration. All existing transactions are linked to the latest selected account.		S8AC9
EX1-143	Delete expense record added through integration		S8AC10
9 Delete integration			
9.1 Delete operation			
EX1-144	Remove an existing integration with the bank account		S9AC1
EX1-145	Select a specific bank account in the bank integration to be deleted.		S9AC1
EX1-146	Select an option to keep all created expense records when delete integration		S9AC2
EX1-147	Select an option to delete all created expense records when delete integration		S9AC2
9.2 Messages			
EX1-148	Confirmation message for deleting operation		
10 Main page			
EX1-149	There is a page (Main page) where user can see his accounts.		S10AC1
EX1-150	Account name is shown for each account.		S10AC2
EX1-151	Account currency is shown for each account.		S10AC2
EX1-152	Total amount spent in the current month is shown for each account.		S10AC2
EX1-153	Add Expense option is available on the main page.		S10AC3
EX1-154	Clicking on the Account goes to account's Expenses page		S10AC4
EX1-155	Switch month on the Expenses page to see previous expenses.		S10AC5
EX1-156	Edit option available for each expense record.		S10AC6
EX1-157	Delete option available for each expense record.		S10AC6
11 Report for a month			
EX1-158	Selecting Report in the menu and goes to the Report page.		S11AC1
EX1-159	There is a pie chart of expenses by categories for a month on the Report page.		S11AC1

ID	Summary	Status	Requirements
EX1-160	Pie chart is shown for default account.		S11AC2
EX1-161	Pie chart is shown for first created account if there is no an account what is marked as default account.		S11AC2
EX1-162	Switch accounts on the report page.		S11AC2
EX1-163	Default month is current month.		S11AC3
EX1-164	Switch month to see stats for other periods.		S11AC3
EX1-165	Switch month to the next month from current		S11AC3
EX1-166	Switch month to the previous month from month of creating account		S11AC3
EX1-167	There are categories on chart and break-down.		S11AC4
EX1-168	Break-down shows categories with expenses shown both ways: in percent and total sum spent in currency.		S11AC4
EX1-169	Click on category and see break-down of expenses by sub-category.		S11AC5
EX1-170	There is total amount spent in a month on the Report page.		S11AC6
12 Report for a year			
EX1-171	Switch between periods month - year on the Report page.		S12AC1
EX1-172	There is a pie chart of expenses by categories for a year on the Report page when switch to yearly period		S12AC2
EX1-173	Default year is current year.		S12AC3
EX1-174	There are categories on chart and break-down.		S12AC4
EX1-175	Break-down shows categories with expenses shown both ways: in percent and total sum spent in the currency.		S12AC4
EX1-176	Click on a category and see a break-down of expenses by sub-category.		S12AC5
EX1-177	There is total amount spent in a year		S12AC6
EX1-178	Leap years are correctly validated and do not cause errors in calculations		
GUI Testing			
1 Name and logo			
EX1-179	Application name Expensee in the top left corner		
EX1-180	Logo in the top left corner is as on the mockup		
EX1-181	Clicking on the logo opens the Home page		
2 Tabs			
EX1-182	Tab names: Home, Categories, Expenses, Bank Integrations, Report		
EX1-183	Tab icons are as on the mockup		
EX1-184	Switch between tabs: Home, Categories, Expenses, Bank Integrations, Report (Mouse, Tab button)		
EX1-185	Changing background color of tabs name when select tab from white to black		
EX1-186	All tabs elements are aligned according to the mockup		
EX1-187	Tab fonts meet the requirements		
3 Tab - Home			
EX1-188	Text Your Accounts in the top left corner of the block		

ID	Summary	Status	Requirements
EX1-189	Accounts Names		
EX1-190	Switch between accounts (Mouse, Tab button)		
EX1-191	Block color		
4 Account card			
EX1-192	Account name in the left top corner of the card		
EX1-193	Account Amount spent		
EX1-194	Currency icon		
EX1-195	All cards elements are aligned according to the mockup		
EX1-196	Card fonts meet the requirements		
EX1-197	Gradient fill of card background		
5 Expenses			
EX1-198	Text Expenses in the top left corner of the block		
EX1-199	Expense cards elements: category name, sub-category name, icon, amount, note		
EX1-200	Expense currency matches account currency		
EX1-201	No broken images		
EX1-202	All card elements are aligned according to the mockup		
EX1-203	All cards are aligned according to the mockup		
6 Buttons			
EX1-204	All buttons have a standard format and size		
EX1-205	All buttons are accessible via keyboard buttons		
EX1-206	All buttons are aligned according to the mockup		
EX1-207	All button fonts, names, backgrouds, "+" icon meet the requirements		
7 User block			
EX1-208	User Name		
EX1-209	Email		
EX1-210	User account icon		
EX1-211	... button		
8 Page			
EX1-212	Checking the page at different screen resolutions (640x480, 600x800,..)		
Cross-browser/Platform Testing			
1 Displaying the site in different browsers and OS			
EX1-213	Chrome - iOS		
EX1-214	Safari - Mac OS		
EX1-215	Mozila Firefox - Android		

ID	Summary	Status	Requirements
EX1-216	Edge - Windows		
EX1-217	Opera - Linux		
Security testing			
EX1-218	Opening pages containing sensitive data (password) via HTTPS(SSL)		
EX1-219	Display passwords in encrypted form		
EX1-220	Creating passwords on all authorization pages (registration, "forgot password", change password)		
EX1-221	Impossibility of authorization: login with the old password after the change, blocked in the service, authorization limit reached		
EX1-222	Error messages do not contain sensitive information		
EX1-223	After logging out or ending the session, the ability to use the site is limited		
EX1-224	"View Source Code" option is disabled and not visible to the user		
EX1-225	SQL-injection		
EX1-226	Authorization session values are displayed in the address bar in encrypted form		

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