User Story Collection aka Product Backlog

Key	GenAI-MS-001
Summary	Rename “New” Button and add Tooltip
Estimate	1
Description	Benefit Hypothesis: As a user I want to see at first glance what transactions I can create to know what I can use this button for. Story Context: When opening the start page of the application, the user can create a new transaction. This is done by clicking a button, that opens a “create new transaction” dialogue. Currently the user cannot see what kind of transaction, if limited, can be created. To make this more user friendly, we want to rename the “New” button and provide a more explanatory name as well as provide a tooltip while hovering over the button which explains more detailed what can be expected by interacting with the button. 1. Rename button “New” to “New Transaction” 2. Create tooltip for the button displaying the following text: “This button will open a dialogue where you can create new transactions for requests and payments.” Technical Solution: - The button is located Navbar component and shows text “New” (data-test=” nav-top-new-transaction”) - Change the text to “New Transaction” - Use the Tooltip component from the material-ui library to display the text: “This button will open a dialogue where you can create new transactions for requests and payments.” Acceptance Criteria: Scenario: A user wants to create a new transaction. GIVEN the user is logged into the system WHEN they enter the start page of the application THEN they see the button “New Transaction” WHEN they hover the curser over the button THEN the system displays a tooltip providing the text “This button will open a dialogue where you can create new transactions for requests and payments.”

Key	GenAI-MS-002
Summary	Add Date Input for Transactions on new Transactions Dialogue
Estimate	1.4
Description	Benefit Hypothesis: As a user I want to be able to plan transactions in the future so that I don’t have to keep them in mind and can trigger them ahead of time. Story Context: When creating a transaction of any kind, the user is currently only able to transfer or claim payments right away. However, when users want to structure transactions on one day of the week for the whole week, they need the possibility to plan their transactions ahead. To enable this, we want to add a date picker to the create transaction dialogue. - Add a date picker to the input fields in the create transaction dialogue - The user should also have the possibility to manually enter the desired date Technical Solution: - Add the InfiniteCalendar in the TransactionCreateStepTwo component below the Input with the id transaction-create-description-input - The headerformat or the InfiniteCalendar should be “MMM Do” - The minDate should be the currentDate (Date must be d+<0) Acceptance Criteria: Scenario: User wants to plan their transactions ahead of time. GIVEN the user is logged into the system WHEN the user opens the create transaction dialogue THEN they find the possibility to add a date to the transaction ~~WHEN entering all required input data~~ ~~AND saving the data~~ ~~THEN the system persists the data~~ ~~AND triggers the transaction on the entered date in the future~~

Key	GenAI-MS-003
Summary	Add Transaction Status to Overview List
Estimate	2
Description	Benefit Hypothesis: As a user I want to see the status of my transactions immediately to quickly have an overview of my transactions. Story Context: Having an overview of the financials is important to our users. The users should see their transactions' status on the overview list, not only on the details page. Therefore, we will display the status of each transaction on the transactions overview list. Possible transaction status is: “pending”, “incomplete”, “complete”. - Add the status of the transaction to the list - Place the status underneath the amount Technical Solution: - In the TransactionItem component, add a new grid item on the same line as likes and comments, which contains a Chip component from the material-ui library with the transaction.status as label - “pending” = yellow font color, “incomplete” = red font color, “complete” = green font color - Instead of “incomplete”, the text “failed” should be shown - Make sure it is shown correctly on mobile Acceptance Criteria: Scenario: The user wants to see what they still need to pay and how much money they can still expect from open transactions. They want to see how big the impact of unfinished transactions still is on their balance sheet. GIVEN a user opens the transaction overview dialogue WHEN the system displays the list of transactions THEN the user sees the status of each transaction on the list

Key	GenAI-MS-004
Summary	Add Filter Option for Transaction Status on List View
Estimate	3
Description	Benefit Hypothesis: As a user I want to filter transactions in a specific status to get a better feeling about my financial status. Story Context: Users should be able to filter their transactions according to the status. Therefore, we will add a filter option for the status on the filter panel of the list. Technical Solution: - In the TransactionListFilters, add a new Grid item which contains the Select component from the material-ui library - It has three MenuItems which each display a transaction status option: “pending”, “incomplete” and “complete”. No multi-select allowed. - Add a useState for the status, it should be controlled by the onChange function of the select component - In the TransactionsContainer component a new type of filter called statusFilter is created which is controlled by the xstate library Acceptance Criteria: Scenario: The user wants to check the transactions for all pending, incomplete and complete transactions to see how much less/more money they really have available. GIVEN the user opens the transaction overview dialogue WHEN the system loads the page THEN the system provides filter options at the top of the list including the status of transactions WHEN the user filters for open transactions THEN the system shows only transactions in status “open” WHEN the user filters for pending transactions THEN the system shows only transactions in status “pending” WHEN the user resets the filter THEN the system displays all transactions of the user

Key	GenAI-MS-005
Summary	Add Visualization of Transaction Status
Estimate	4
Description	Benefit Hypothesis: As a user I want to see a visual representation over the status-ratio of my transactions to see, for how many I still need to become active. Story Context: We will add a visual representation of the status of the transactions on the top right of the list view in the form of a pie chart. The following status are to be summed up and displayed when hovering over the respective slice: pending, accepted, requested Technical Solution: - Install the charts.js library. - In the TransactionPublicList component, a create a pie chart which displays the sum of transactions for each status: pending, accepted and requested. - The transactions can be accessed via results, when adding this code snippet: “const [current, send, publicTransactionService] = useMachine(publicTransactionsMachine); const { pageData, results } = current.context;“ - To calculate the sum, use the results array of type TransactionResponseItem[] to extract the sum of transaction amount based on transaction status. - Should be fixed on desktop and not fixed on mobile - “pending” = yellow blue segment color, “accepted” = light green blue segment color and “requested” = blue segment color Acceptance Criteria: Scenario: A user wants to know the sum of the transactions in different status. GIVEN the user is logged into the system WHEN they open the list view of transactions THEN the system displays a pie chart on the top right above the list view WHEN the user hovers over the sections of the pie chart THEN the system displays the sum of the transactions in the status of the slice

Key	GenAI-MS-006
Summary	Additional Information added to the Account Balance
Estimate	5
Description	Benefit Hypothesis: As a user a want to quickly see how unfinished transactions are going to impact my account balance. Story Context: As the user can have several transactions in status pending or open, the account balance only shows the reality of the moment. By showing the sum of all open and pending transactions still due, we provide a better understanding of the future development of the account balance. For this, we will add two lines underneath the account balance. How much do I owe: “text displayed in red” How much am I owed: “text displayed in green" Technical Solution: - In the NawDrawer component, add a new variable amount_owe which is calculated by adding up all transactions with status “”. - Add another new variable amount_owed which is calculated by adding up all transactions status “”. - The transactions can be accessed via results, when adding this code snippet: “const [current, send, publicTransactionService] = useMachine(publicTransactionsMachine); const { pageData, results } = current.context;“ - Use the currentUser to compare user id with the one in the transactions, to find out if I owe the money or I’m owed. - Then, below the Account Balance, create two Typography components. - One Typography displays “How much do I owe: {amount_owe}”, the color of the amount text should be red. - The other Typography displays “How much am I owed: {amount_owed}”, the color should be green. Acceptance Criteria: Scenario: A user is contemplating whether to buy something pricy. They know they have some transactions unfinished but are not sure about the amount and the effect on their account balance. GIVEN the user logs into the system WHEN the system displays the overview page THEN it also displays two lines underneath the account balance AND the user can see how much money they can still expect AND see how much they are yet to pay

Key	GenAI-MS-007
Summary	Add back Button in Transaction Creation Dialogue
Estimate	1
Description	Benefit Hypothesis: As a user I want to be able to go to the previous page when creating a transaction so that I can make changes. Story Context: When a user enters data during the creation process and goes to the next page, they currently don’t have the possibility to make changes or check for errors in the previous one. To avoid having to restart the whole creation process and having to re-enter the data, we want to add a “Back”-button to improve the customer experience. Technical Solution: - In the TransactionCreateStepTwo component, in the grid container which contains the request and pay buttons, ad a new grid item which contains a new Button component with the text “Back” - The Back Button should have a red background color and should be styled similar to the other buttons in this grid container - The interface TransactionCreateStepTwoProps gets a new prop onBackButton which is type Function - The Back Button should trigger the new prop onBackButton when clicked. - In the TransactionCreateContainer the onBackButton prop of the TransactionCreateStepTwo component triggers a function which sets active step to 0 Acceptance Criteria: Scenario: The user has entered wrong information on the first page of the process and wants to change the input of one field. GIVEN the user creates a new transaction AND enters all mandatory information on the first step of the process WHEN the user saves the information AND the system loads the next page of the process THEN there is a button available to go back to the previous page WHEN the user clicks on the button THEN the system redirects them to the previous page of the process AND the entered data is still there AND the user can edit it

Key	GenAI-MS-008
Summary	Add “View”-button to Notifications
Estimate	1.4
Description	Benefit Hypothesis: As a user I want to be guided easily to the origin of notifications to find out the content. Story Context: Currently the user sees a notification but does not see the content of it. Therefore, they can’t judge whether it is important information that needs following up, or if it was just a comment of a friend. We will add a view button, like the “dismiss” button to the notifications list. This button will take the user to the origin of the notification. Technical Solution: - In the NotificationListItem component, add a new IconButton before the “dismiss” IconButton, it should show a VisibilityIcon component from the material-ui library - Before the Notification mark read Button, add a new button which shows the text “View” - When clicking the “View” Button, it should navigate to the transaction details page, the route path is “`transaction/${notification.transactionId}`” - The notification is not dismissed through viewing it. Acceptance Criteria: Scenario: The user checks their notifications for relevant information, they need to follow up on. GIVEN the user is logged into the system AND opens the notifications dialogue WHEN the system displays all notifications THEN the system provides two interaction possibilities for each notification: dismiss and view WHEN the user clicks on view THEN the system loads the page from which the notification originated from

Key	GenAI-MS-009
Summary	Add a Comment Section in the List Overview of Transactions
Estimate	2.6
Description	Benefit Hypothesis: As a user I want to see comments on my transactions already on the overview list to quickly identify potential needs for following up. Story Context: Currently the user only sees comments when opening transactions. We want to provide a better overview already on the list view. Therefore, we will add a column to the right end of the transaction list, always displaying the latest comment of a transaction. For mobile application: show underneath the “thumbs up”& comment icon Technical Solution: - In the TransactionItem component, after the transaction amount grid item, add a new grid item which contains the most recent comment of the transaction - The comments of the transactions are available in transaction.comments array where each comment has a content and a userId attribute - The comment list item should show the comment content and the user who wrote it like this: “`{comment.userId} wrote: “${comment.content}”` - The comment should fit into the height of the ListItem, overflow should be scrollable. Acceptance Criteria: Scenario: The user wants to check their transactions for important comments, in case they placed faulty transfers. GIVEN the user opens the transactions list overview WHEN the system displays the page THEN the system displays an additional column “Latest Comments” at the right end of the list WHEN the user scrolls through the transactions THEN they can read the latest comment on transactions

Key	GenAI-MS-010
Summary	Make Interaction Possibility visible for Items on the Transaction List
Estimate	1
Description	Benefit Hypothesis: As a user I want to see that I can interact with an item on a page, so I know where to click. Story Context: Not every user is a tech savvy person who tries to click on items to check if something happens. For more cautious users we want to visualize that they can interact with certain items e.g. open transactions by clicking on the respective line in the overview. When the user moves the cursor over a transaction in the overview, the line is visualized in another color than the rest. Furthermore, the cursor will change its form to "pointer" to give an even bigger hint towards the interaction possibility. Technical Solution: - In the TransactionItem component, the style of the ListItem should be adjust so that it changes its background color to a darker shade when hovered. - Furthermore, the cursor should have the css attribute "cursor: pointer" Acceptance Criteria: Scenario: An elderly user wants to check their transactions and is searching for a way to open their transactions but find no button. GIVEN a user is logged into the system WHEN they move their cursor over the transaction list THEN the system displays the hovered over item with a different color AND changes the shape of the cursor