


# Requirements Engineering

Professional tool: JIRA+Confluence

Confluence page:

Requirements engineering



✦ Requirements engineering Home

Describe your project or any project (e.g. one related to your work or a private project) neatly using the methods of Requirements Engineering by mapping some requirements in 2 tools (!). To do this, use the most important description attributes from the script! Approximately 5-10 requirements per tool should be sufficient. Two variants should be provided = tools. A 'self-made' version and a professional = possibly commercial version, i.e. with 2 tools! Examples of 'self-made' variants: Airtable, notion.so, Trello, etc. Examples of commercial tools: Monday, Jira, Doors, Object42, Xebrio, etc. (see Miro). Instead of the professional version, you can also build a tool yourself.

Project name: **SRH-SOFTWARE-DEVELOPMENT-PERSONAL-FINANCE-MANAGER**

Description:

Project focus is on the developing a comprehensive and user friendly application that helps users to take control of their financial wellbeing. This tool serve as a centralized platform for users to manage their income, expenses, investments, and financial goals efficiently.

## Functional Requirements:

### ■ User Auth

- System need to allow users to register and login securely
- System must be able to recover user account threw email verification or allow password resetting

### ■ Dashboard

- System should be personalized to user witch will display key informations such as account ballance, income, expenses and investments
- System should provide an overview of financial health, including charts and graphs

### ■ Income Management

- System needs to record and categorize various sources of income
- System should support recurring income entries

### ■ Expense Tracking

- System needs to log and categorize expenses, with the ability to attach receipts or additional notes
- System should allow users to set budgets for different expense categories

### ■ Budgeting

- System should allow users to create and manage budgets for different time periods (monthly, yearly)
- System should have implemented real-time tracking of expenses against set budgets

### ■ Transaction History

- System must maintain a detailed history of income, expenses, and transactions
- System should allow the users to be able to search and filter transactions based on different criteria

### ■ Investment Portfolio

- System should allow the users to input and monitor various investments (stocks, bonds, etc.)
- System should provide real-time or periodic updates on the performance of investments

### ■ Financial goals

- System should allow users to set financial goals and track progress
- System should send notifications and alerts to remind users of upcoming financial obligations or goals

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## Non-Functional Requirements:

### ■ Security

- System must implement strong encryption standards for user data and transactions
- System must have at least Two-factor authentication for enhanced security

### ■ Performance

- System should respond promptly to user actions, even during peak usage
- System must have efficient data storage and retrieval to ensure optimal performance

### ■ Scalability

- System should scale seamlessly to accommodate an increasing number of users and data

### ■ Usability

- System be intuitive and user-friendly interface with clear navigation
- System should have accessibility features to cater to users with disabilities

### ■ Reliability

- System should be available and reliable, with minimal downtime for maintenance
  - System should have implemented regular data backups and recovery mechanisms
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## Transition Requirements:

### ■ Data Migration

- System should have a smooth transition plan for migrating data from any existing financial management systems used by the users

### ■ Training

- System should provide training materials and sessions for users to familiarize themselves with the new app
- System should offer support during the initial transition period

### ■ Integration

- System should ensure seamless integration with commonly used financial tools or platforms (e.g., bank APIs)
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## Interface Requirements:

### ■ User Interface

- System should have consistent and visually appealing design across different platforms (web, mobile)
- System should have responsive design to adapt to various screen sizes

### ■ API Integration

- System must integrate with financial institutions and services through secure APIs for real-time data sync

### ■ Notifications

- System should push notifications for important financial events, such as low balances, upcoming bills, or goal achievements

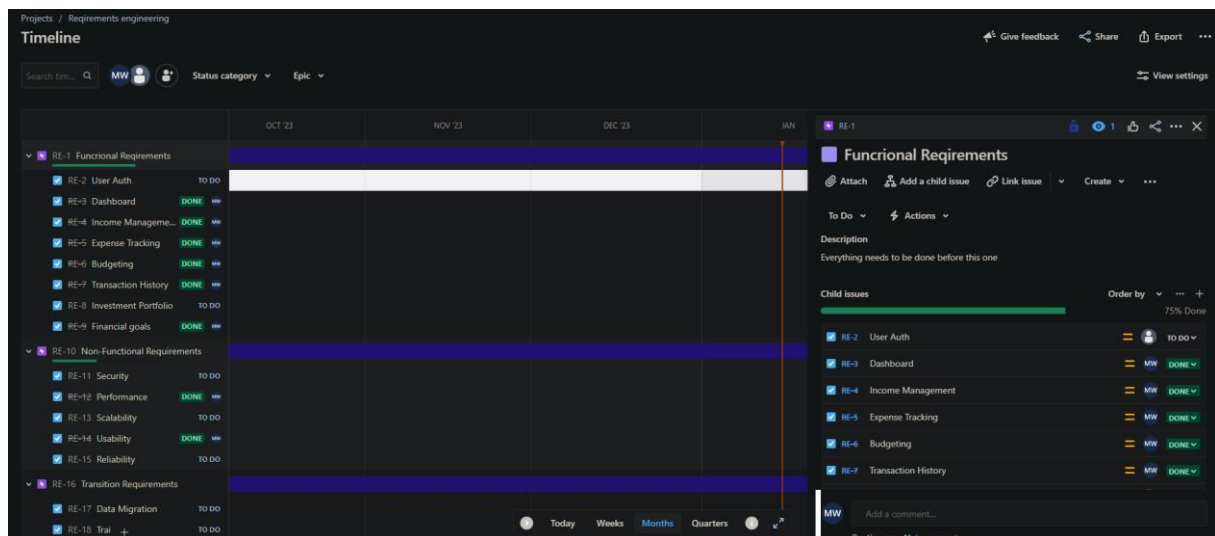
### ■ Reports and Analytics

- System should generate comprehensive reports and analytics to help users analyze their financial habits and trends

### ■ Multi-language Support


- System must have support for multiple languages to cater to a diverse user base

For the timeline I created Parents and added childs to.




Parents and child have linked confluence page to better navigate with the task.

## Confluence pages

 Requirements engineering Home

## Pinned fields




Click on the  next to a field label to start pinning.

## Details



Assignee  Michał Witwicki

Labels None

Parent  None



Start date Oct 01, 2023


Due date Jan 23, 2024

Releases

Reporter  Michał Witwicki

# Dashboard


 Attach  Add a child issue  Link issue  Create  ...

**Done**   Done  Actions 

## Description

- System should be personalized to user witch will display key informations such as account ballance, income, expenses and investments
- System should provide an overview of financial health, including charts and graphs

## Pinned fields

Click on the  next to a field label to start pinning.

## Details


Assignee  MW Michał Witwicki

Labels None

Parent **NEW**  RE-1 Funcrional Requirements

















Jira automatically created for me kanban board to easier navigate threw all of the requirements and tasks

RE board

Search this... 

MW 

Epic 

TO DO 7	IN PROGRESS 5	DONE 9 	
<div>Investment Portfolio</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-8 </div>	<div>Security</div> <div>NON-FUNCTIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-11 </div>	<div>Dashboard</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-3  MW</div>	
<div>Scalability</div> <div>NON-FUNCTIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-13 </div>	<div>User Interface</div> <div>INTERFACE REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-21 </div>	<div>Income Management</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-4  MW</div>	
<div>Data Migration</div> <div>TRANSITION REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-17 </div>	<div>Notifications</div> <div>INTERFACE REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-23 </div>	<div>Expense Tracking</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-5  MW</div>	
<div>Training</div> <div>TRANSITION REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-18 </div>	<div>Reliability</div> <div>NON-FUNCTIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-15 </div>	<div>Budgeting</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-6  MW</div>	
<div>Integration</div> <div>TRANSITION REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-19 </div>	<div>User Auth</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-2 </div>	<div>Transaction History</div> <div>FUNCRIONAL REQUIREMENTS</div> <div><input checked="" type="checkbox"/> RE-7  MW</div>	
<div>API Integration</div>		<div>Financial Goals</div>	