

# USABILITY TEST REPORT

Project Name: FinTrack Pro - Personal Finance Management System

Document Type: Usability & UX Evaluation Report

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Evaluator: Tunahan Oral

Test Method: Think-Aloud Protocol & Direct Observation

## 1. EXECUTIVE SUMMARY

This report outlines the results of the usability testing conducted for the **FinTrack Pro Desktop Application (v1.0)**. The primary objective was to evaluate the ease of use, learnability, and efficiency of the application for university students managing their personal finances.

The test focused on the core functionalities: **System Launch (Portability)**, **Transaction Entry**, **Goal Setting**, and **Analytical Reporting**. Testing was performed with two distinct user profiles to ensure broad coverage of technical competency.

## 2. PARTICIPANT PROFILES

Two participants were selected to represent different segments of the target audience:

Name	Metacan Kocayıldız	Ahmet Çubuk
User Type	Power User (Tech-Savvy)	Casual User (Standard)
Background	Engineering student, familiar with crypto/stock apps.	Social sciences student, uses Excel for basic budgeting.
Tech Literacy	High (Advanced)	Medium (Intermediate)
Device	Windows 11 Laptop	Windows 10 Laptop

### 3. TEST ENVIRONMENT & METHODOLOGY

- **Location:** University Study Hall (Quiet Environment).
- **Equipment:** Participants' own personal laptops were used to test the portability of the .exe file.
- **Method:**
  - **Think-Aloud Protocol:** Participants were asked to verbalize their thoughts while performing tasks.
  - **Success Metric:** Task Completion Rate (TCR) and Time on Task (ToT).

### 4. TEST SCENARIOS & TASKS

Participants were asked to complete the following four critical tasks without receiving any prior guidance:

- **Task 1 (Onboarding):** Launch the FinTrackPro.exe file directly from the USB drive/folder without installation.
- **Task 2 (Data Entry):** Record a new expense of **500 TL** under the "**Kitchen**" (**Mutfak**) category.
- **Task 3 (Goal Setting):** Create a generic saving goal named "**New Laptop**" with a target of **25,000 TL**.
- **Task 4 (Analysis):** Navigate to the "Reports" section and interpret the expense distribution chart.

### 5. QUANTITATIVE RESULTS

The following table summarizes the performance of each participant:

Task	Metacan K. (Time / Result)	Ahmet Ç. (Time / Result)	Completion Rate
1. Launch App	8 sec / <input checked="" type="checkbox"/> Pass	12 sec / <input checked="" type="checkbox"/> Pass	100%
2. Add Expense	15 sec / <input checked="" type="checkbox"/> Pass	20 sec / <input checked="" type="checkbox"/> Pass	100%
3. Create Goal	25 sec / <input checked="" type="checkbox"/> Pass	32 sec / <input checked="" type="checkbox"/> Pass	100%

<b>4. View Report</b>	10 sec / <span style="color: green;">✓</span> Pass	15 sec / <span style="color: green;">✓</span> Pass	<b>100%</b>
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#### Metric Analysis:

- **Efficiency:** Both users completed tasks in under 40 seconds, indicating a highly intuitive UI.
- **Errors:** No critical errors (system crashes or dead ends) were encountered.

## 6. QUALITATIVE FEEDBACK (Direct Quotes)

### Metacan Kocayıldız (Power User)

*"I really liked that it opened immediately without an installer wizard. The **Dark Mode** interface is very professional and easy on the eyes. The logic for setting financial goals is straightforward. I also noticed the database updates instantly, which is good for reliability."*

### Ahmet Çubuk (Casual User)

*"The menu navigation is faster than I expected. I usually get lost in Excel sheets, but here the **Pie Chart** made it very clear where my money is going. One small suggestion: The 'Save' button could be slightly larger or a different color to make it pop out more."*

## 7. OBSERVATIONS & FINDINGS

During the session, the following observations were recorded by the evaluator:

1. **Portability Success:** Both users successfully ran the application from a folder without needing to install Python or libraries. This validates the success of the PyInstaller implementation.
2. **App Mode:** Ahmet initially looked for a browser address bar but adapted quickly to the "App Mode" (frameless window), stating it felt like a "real program."
3. **Date Picker:** Ahmet hesitated for 2 seconds on the date selection but proceeded when he realized it defaults to "Today."
4. **Visual Feedback:** Metacan hovered over the interactive Plotly charts to see exact values, confirming the need for interactive tooltips.

## 8. RECOMMENDATIONS & ACTION PLAN

Based on the test results, the following improvements were identified for the final release:

- **[Completed] Performance:** Added a "Loading System..." indicator in the backend console to inform users during the initial 2-second startup delay.
- **[Planned] UI Enhancement:** The "Save" button size will be increased by 10% based on Ahmet's feedback to improve call-to-action visibility.
- **[Confirmed] Application Mode:** The decision to suppress the browser toolbar (Chrome/Edge UI) was validated as it improved focus on the task.

## 9. CONCLUSION

The usability test confirms that **FinTrack Pro** meets the requirements for the Software Engineering course final project. The application achieved a **100% Task Completion Rate** with the test group. The interface is deemed user-friendly for both technical and non-technical students.