
Pentominoes

HeartSteal
Use-Case Specification: View Profit

Version 1.0

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Use-Case Specification: View Profit	Date: 18/07/2025

Revision History

Date	Version	Description	Author
18/07/2025	1.0	Initial version	Lưu Vĩnh Phát

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Table of Contents

1. Use-Case Introduction	4
1.1 Brief Description	4
1.2 Primary Actor	4
2. Flow of Events	4
2.1 Basic Flow	4
2.2 Alternative Flows	4
2.2.1 No Data for Selected Period (From step 6)	4
2.2.2 Invalid Filter Combination (From step 3)	4
3. Special Requirements	4
4. Preconditions	4
5. Postconditions	4
6. Postconditions	5

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1. Use-Case Introduction

1.1 Brief Description

This use case describes how an administrator views the total profit generated within a specific time frame. The system aggregates income from multiple revenue sources (e.g., subscriptions, ads, purchases) and presents the financial summary using visual representations such as charts or graphs, allowing for easier trend analysis and comparison.

1.2 Primary Actor

Administrator

2. Flow of Events

2.1 Basic Flow

1. The administrator logs into the admin dashboard.
2. The administrator navigates to the "Revenue" section.
3. The system displays filter options including date range, revenue source, and region.
4. The administrator selects the desired filters and clicks "View Report".
5. The system calculates and displays total profit for the selected parameters.
6. The report includes income, expenses, and net profit.
7. The administrator may download or export the profit report.

2.2 Alternative Flows

2.2.1 No Data for Selected Period (From step 6)

1. If there is no financial data available for the selected time frame, the system displays:
"No profit data available for the selected period."
2. The administrator may adjust the filter or exit the report view.

2.2.2 Invalid Filter Combination (From step 3)

1. If the administrator selects an invalid or conflicting combination of filters (e.g., future date range), the system displays:
"Invalid selection. Please review your filters."
2. No report is generated until filters are corrected.

3. Special Requirements

- The system must display profit broken down by source and date.
- All financial data must be accurate and reflect real-time database values.
- The system should provide export options (CSV, PDF, Excel).
- Access to financial data must be restricted to authorized finance/admin roles.
- Calculations should complete within 5 seconds for up to 1 year of data.

4. Preconditions

- The administrator is authenticated with finance access privileges.
- Financial data is available in the database for the selected time period.

5. Postconditions

- The administrator views the profit summary and can take further actions such as export or detailed breakdown.
- If the data is unavailable, invalid, or if an error occurs, the system does not display the report and logs the issue.

6. Postconditions

