MIU AIRBNB

Use Case Specification: Dashboard Reporting

Version 1.1

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1. Properties

1.1. Brief Description

Dashboard reporting consists of all data that the landlord would like to have access to. These are maintenance, financial statistics that will aid the landlord to make business decisions on i.e., an integrated business intelligence section.

1.2. Actors

- Landlord

Preconditions

- The login page must exist.
- Database model must exist.
- Landlord property list must exist.

1.3. Flow of Events

1.3.1. Basic Flow

User Action	System Response
User clicks on reporting	The system directs the dashboard page with relevant data should be populated from database. - Interactive graphs detailing revenue per listing. - Most booked listing - Maintenance cost per property
User clicks exports report.	The system can export the reporting data to a CSV or PDF file.
User clicks add metric for tracking.	The system should display a drop-down listing object attributes that the landlord can select to track - Once metric/attribute is selected system prompts for user to input formulae to track the metric/attribute

1.3.2.   Exceptional Flow

1.3.2.1.   No data inserted in data base yet.

User Action	System Response
User clicks on reporting	The system navigates to reporting dashboard with empty graphs.
User clicks on export report.	An info message dialogue box should pop up to inform the user there's no data to export.

1.4.   Post-Conditions
- None the user does not interact/modify system state data only views the data.

1.5.   Business Rules
- Landlords can specify which metrics they would like to track on the dashboard, they should also provide formulae that would be used to calculate and track the nonstandard.

1.6.   Nonfunctional Requirements
- The exported data should be password protected as they contain sensitive financial and user data.

1.7.   Sample Screen

1.7.1.   Exceptional Flow

1.7.1.1.   Invalid format: Provided formulae cannot operate on select metric

User Action	System Response
User clicks add metric for tracking.	The system should display an error message for an invalid operation on selected metric example if you're want an average of attribute of type string

1.8.   Post-Conditions
- None the user does not interact/modify system state data only views the data.