

## UC\_12\_RetrieveGraphData

This use case allows the retrieval revenue, expense, and profit data to be shown in a graph format.

The entity objects for this use case are revenueTransactionModel, expenseTransactionModel, graphDataModel, userManagerModel, netProfitModel.

The boundary objects for this use case are readGraphDataBoundary, readRevenueTransactionBoundary, readExpenseTransactionBoundary.

The control object for this use case is buildGraphDataController.

The userManagerModel initiates the boundary object readGraphDataBoundary whenever the managing user views the manager dashboard. That boundary object in turn initiates the control object buildGraphDataController, which retrieves the entity object graphDataModel which initiates the boundary objects readRevenueTransactionBoundary, readExpenseTransactionBoundary. Each of these boundary objects then retrieves the sub objects revenueTransactionModel, expenseTransactionModel, netProfitModel. Once the data is retrieved, the control object buildGraphDataController is responsible for building the data into graphs for the user's view.