Functions List

The following preliminary list describes the expected functions that will implement the modules of our program, but please note that more functions and helper functions will be added during development:

* LaunchApp: Displays TAB 1, focuses on dollar entry textbox, and loads the numerical keypad.
* SelectDate: Displays miniature calendar for user to select a date, which updates the date.
* SubmitEntry: Stores entry in local data repository, which will include dollar amount, category, date, and description. This gets called when user taps a category button.
* ConfirmPIN: Displays popup asking user for PIN, verifies input PIN is correct, then closes popup.
* DisplayLineChart: Aggregate data for selected time interval and category and display line chart.
* SelectTimeInterval: Select time interval for line chart, choosing from either yearly, monthly, or daily views.
* SelectCategoryFilter: Select which category for line chart choosing from either a total of all categories, or one specific category.
* DisplayPieChart: Aggregate data for selected time interval and display pie chart.
* SelectTimeType: Select time type for pie chart, choosing from either year, month, or day.
* SelectTimeValue: Select time value for pie chart, choosing from valid values from time type (Year: 2019, 2020; Month: Jan, Feb, … for current year; Day: Sun, Mon, … for current week).
* ChangeCategory: Wipes all data for former category and updates to new category name.