Project: Smart Home App

Events Planning

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| **Component** | **Event Trigger** | **Description** |
| btnStats | Click | Finds corresponding month from savings txt doc, displays monthly savings  Hidden on load  Visible after cboMonth selection is made |
| lblHeading | None | Displays app title |
| cboMonth | Month Selection | Holds the list of months  Sets the selection for which month’s data to display if btnStats clicked |
| lblStats | None | Holds the monthly savings info  Hidden on load  Visible when a cboMonth selection is made |
| lblAvg | None | Holds the average monthly savings info  Hidden on load  Visible when btnStats clicked |
| lblMost | None | Holds the info for the largest savings month  Hidden on load  Visible when btnStats clicked |
| picSmarthome | None | Holds smarthome pic |
| DisplayAvgSavings() | btnStats Clicked | Calls ComputeAvg() to display average monthly savings in lblAvg |
| ComputeAvg() | Call | Computes & returns avg monthly savings as decimal |
| DisplayMaxSavings() | btnStats Clicked | Calls FindMax() to display most significant savings month in lblMost |
| FindMax() | Call | Uses Math.Max to compare monthly savings values and return the max value |
| ReadFile() | Load | Reads file path and returns True if file is found |
| GetData() | Load | Reads file and populates cboMonth with month names & monthly savings array with savings values  Only called when file is found |