<u>Model</u>

Country

capitalCity: StringProperty incomeLevel: StringProperty regionID: StringProperty

name: StringProperty

iso2Code: StringProperty

id: StringProperty

+getIso2Code(): String

+getId(): String +setId(): void

+getName() : String

+setName() : void

+getRegionID(): String

+getRegionName(): String

+getIncomeLevel(): String

+getCapitalCity(): String

CountryIndicatorList

countryIndicators : ObservableList<CountryIndicator>

GDP_CURRENT_\$US: String

GDP_PER_CAPITA_CURRENT_\$US: String

GDP_PER_CAPITA_CURRENT_\$US: String

INFLATION_RATE:String

UNEMPLOYMENT_RATE:String

GDP_GROWTH:String

GDP_PER_CAPITA_GROWTH:String

COUNTRYINDICATOR_PATH :String

+initializeCountryIndicator(): CountryIndicator

+storeJSONFromLocalToList():void

+addJSONToList(): void

+storeJSONFromURLToList():void

+getCountryIndicator():ObservableList<CountryIndicator>

<<interface>> DataManager

+getJSONFromURL():String

+getJSONFromFile(): String

+storeJSONFromLocalToList(): void

Classname

countryID: StringProperty

countryValue: StringProperty

date: IntegerProperty

GDP_CURRENT_\$US: DoubleProperty

GDP_PER_CAPITA_CURRENT_\$US DoubleProperty

INFLATION_RATE: DoubleProperty

UNEMPLOYMENT_RATE: DoubleProperty

GDP_GROWTH: DoubleProperty

GDP_PER_CAPITA_GROWTH: DoubleProperty

+getUNEMPLOYMENT_RATE(): Double

+UNEMPLOYMENT_RATEProperty():DoubleProperty

+ setUNEMPLOYMENT_RATE(): void

+ getGDP_PER_CAPITA_CURRENT_\$US(): Double

+GDP_PER_CAPITA_CURRENT_\$USProperty(): DOubleProperty

+ setGDP_PER_CAPITA_CURRENT_\$US(): void

+ getGDP_GROWTH(): Double

+ GDP_GROWTHProperty(): DoubleProperty

+setGDP_GROWTH(): void

+ getGDP_PER_CAPITA_GROWTH() : Double

+GDP_PER_CAPITA_GROWTHProperty(): DoubleProperty

+setGDP_PER_CAPITA_GROWTH(): void

+getCountryID(): String

+getCountryValue(): String

+coutryValueProperty():StringProperty

+getGDP_CURRENT_\$US(): Double

+GDP_CURRENT_\$USProperty(): DoubleProperty

+setGDP_CURRENT_\$US(): void

+getDate(): int

+dateProperty():IntegerProperty

+setDate():void

+getINFLATION_RATE(): Double

+INFLATION_RATEProperty(): DoubleProperty

+setINFLATION_RATE(): void

CountryList

countries : ObservableList<Country>

COUNTRY_FILE:String

COUNTRY_API:String

+storeJSONFromURLToList():void

+addJSONToList(): void

+storeJSONFromLocalToList():void

+initializeCountry();Country

<<Controller>> **EconoMeController** countryList:ObservableList<Country> countryIndicatorList: ObservableList<CountryIndicator> countryNames: ObservableList<String> regionNames:Observablelist<String> incomeLevels:ObservableList<String> selectedItems:ArrayList<String> incomeLevelButton:ComboBox<String> regionNameButton:ComboBox<String> aboutButton:Button transition:HamburgerBackArrowBasicTransition indicatorType:Type +getIndicatorsByCountry(): ArrayList<CountryIndicator> +chartDataToRemove():ArrayList<String> +removeOldChartData(): void +updateChart():void +doesCountryExist():boolean

GDP

GDPPERCAPITA

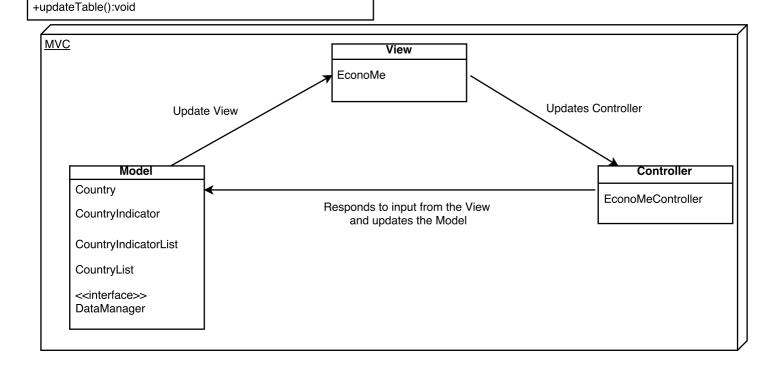
INFLATION

UNEMPLOYMENT

GDPGROWTH

GDPGROWTHCAPITA

<<View>>
EconoMe



Description

+updateCharts():void

+initialize():void

+handleHamburger():void

We used a MVC design pattern to create our project. From the diagram above we grouped all the classes with the methods and attributes that made up the whole model. We showed how the three parts of the design are linked together and what each part is responsible for. In terms of the design to be easy to understand, we decided to separate the diagrams into two parts. One part showing how everything is connected and the other showing the details of each class.