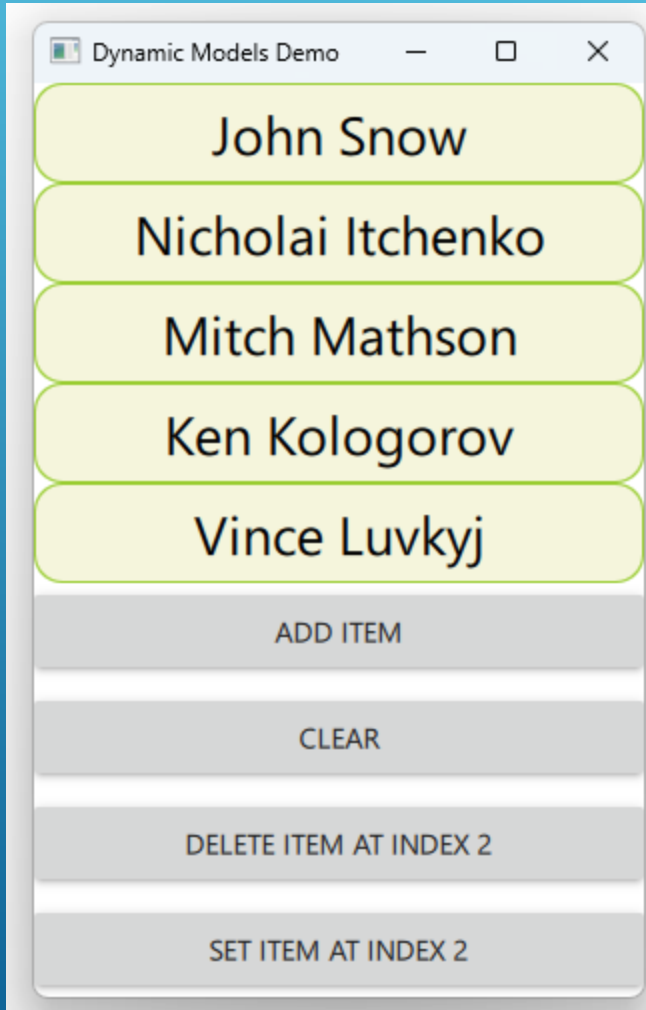


# Notes to self

- . Dynamically adding/removing data from the model
  - . append()
  - . clear()
  - . remove()
  - . set()
- . Point to the docs for the student to see other methods they can play with

# Dynamic Model(Modifications)



# Append

```
ColumnLayout {
    anchors.fill: parent
    ListView{
        id : mListViewById
        model:mListModel
        delegate :delegateId
        Layout.fillWidth : true
        Layout.fillHeight: true
    }

    Button {
        text : "Add Item"
        Layout.fillWidth : true
        onClicked: {
            mListModel.append({"firstName": "Daniel", "lastName":"Gakwaya"})
        }
    }
}
```

# Clear

```
Button {  
    text : "Clear"  
    Layout.fillWidth : true  
    onClicked: {  
        mListModel.clear()  
    }  
}
```

# Remove

```
Button {
    text : "Delete Item at index 2"
    Layout.fillWidth : true
    onClicked: {
        if ( 2 < mListViewById.model.count){
            mListModel.remove(2,1)
        }else{
            console.log("index is invalid")
        }
    }
}
```

# Set

```
Button {  
    text : "Set item at index 2"  
    Layout.fillWidth : true  
    onClicked: {  
        mListModel.set(2,{"firstName": "John", "lastName":"Doe"})  
    }  
}
```

# CMake

```
find_package(Qt6 6.2 COMPONENTS Quick QuickControls2 REQUIRED)
...
target_link_libraries(app2-Button
    PRIVATE Qt6::Quick Qt6::QuickControls2)
```