

Customising a UITableView

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As an introduction...

Customising, what for?

- Bring something original...
... but still comfortable (known behaviour)

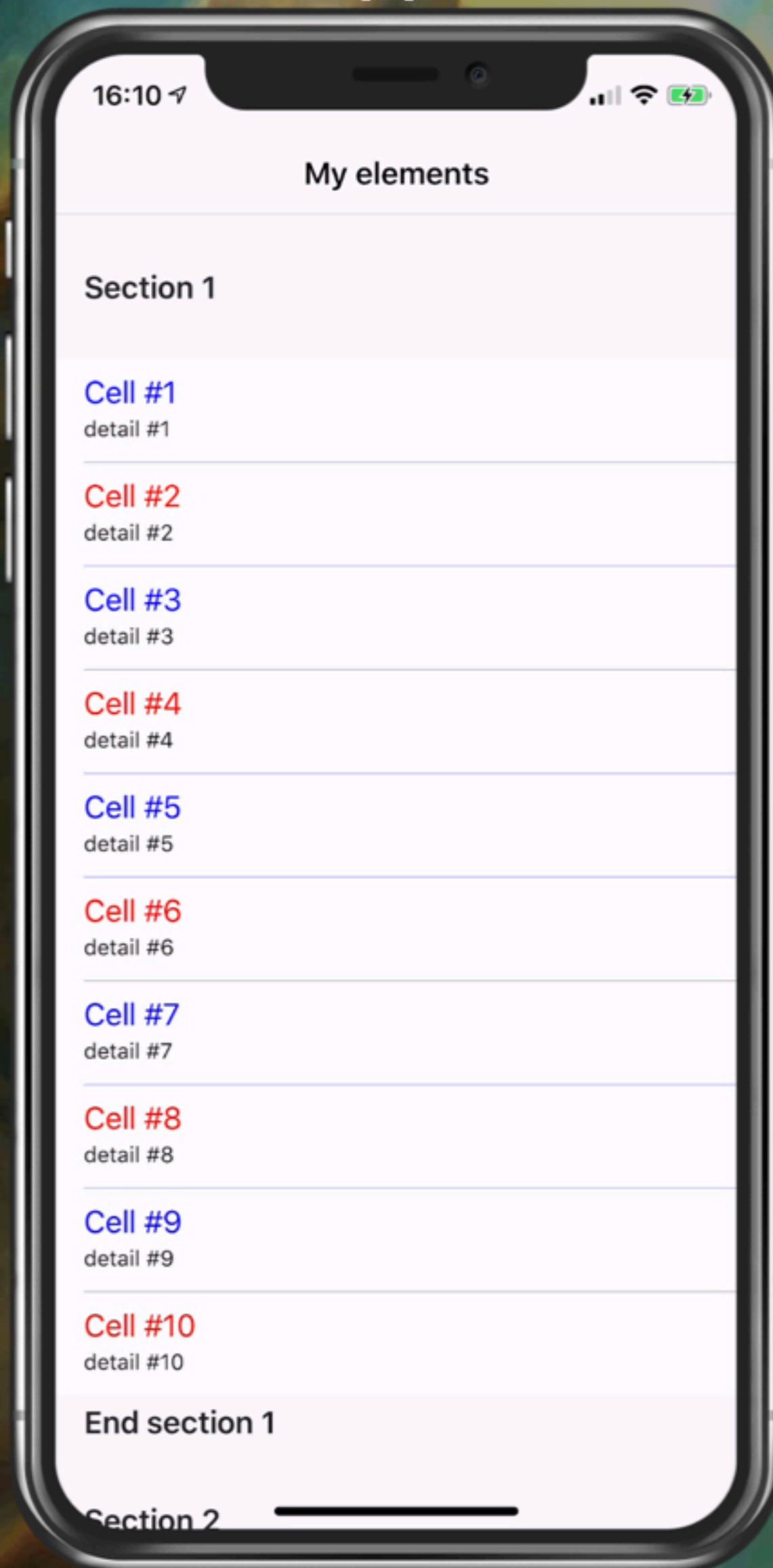
What can you customise?

- Global appearance
 - ▶ `backgroundColor`
 - ▶ `backgroundView`
- Sections/table headers & footers
- Use the attributes of a `UITableViewCell`
 - ▶ `textLabel`, `detailTextLabel`
 - ▶ `imageView`, `backgroundView`, `selectedBackgroundView`
 - ▶ `accessoryView`
- Change the behaviour when cell is selected
 - ▶ Activate/deactivate selection
 - ▶ Associate a dedicated program when a cell is selected



Some example

Default appearance



Customised appearance



How do you customise?

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Use dedicated methods of UITableViewDelegate

Section header & footer

```
func tableView(_ tableView: UITableView,  
              heightForHeaderInSection section: Int) -> CGFloat
```

```
func tableView(_ tableView: UITableView,  
              viewForHeaderInSection section: Int) -> UIView?
```

```
func tableView(_ tableView: UITableView,  
              heightForFooterInSection section: Int) -> CGFloat
```

```
func tableView(_ tableView: UITableView,  
              viewForFooterInSection section: Int) -> UIView?
```

Cells

```
func tableView(_ tableView: UITableView,  
              cellForRowAt indexPath: IndexPath) -> UITableViewCell
```

```
func tableView(_ tableView: UITableView,  
              heightForRowAt indexPath: IndexPath) -> CGFloat
```

```
func tableView(_ tableView: UITableView,  
              indentationLevelForRowAt indexPath: IndexPath) -> Int
```

▶ The contentView attribute

Action when selecting a cell

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Managing selection possibility

- Several attributes (Bool)

 - ▶ `allowsSelection`

 - ▶ `allowsMultipleSelection`

- Call-back from `UITableViewDelegate`

```
func tableView(_ tableView: UITableView,  
               didSelectRowAt indexPath: IndexPath)
```

- Some useful attributes

 - ▶ `indexPathForSelectedRow`

 - ▶ `indexPathForSelectedRows`

As a conclusion...

This is quite rich

• Much more methods to explore in the

RTFM!

• Updates can be done dynamically



▶ Various style of cells in the same table

But remember...

• StoryBoard can be used too



An example of selection?

• To be proposed in the next videos