



Lập trình ứng dụng trên iOS

Table View – Table View Cell

Nội dung

- Table View
- Table View Cell

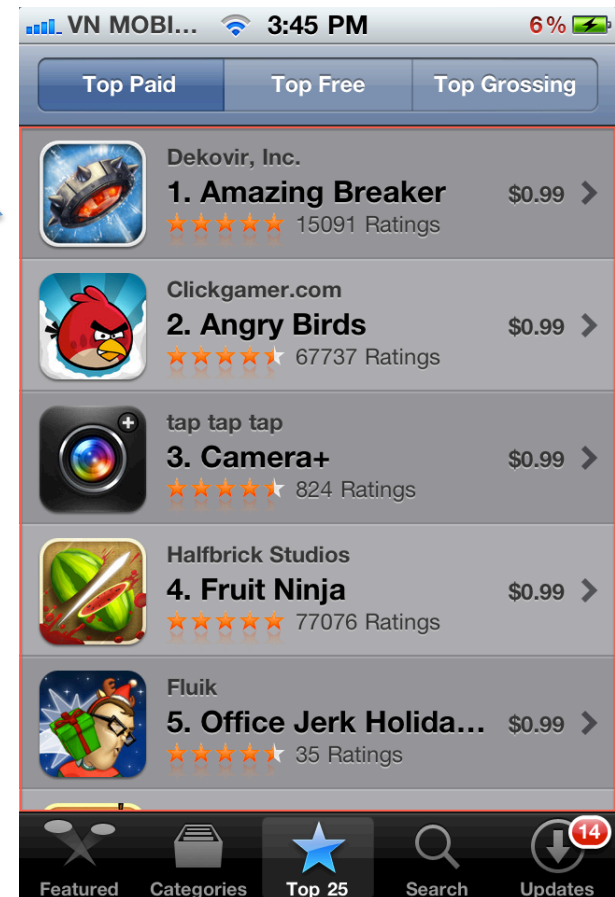
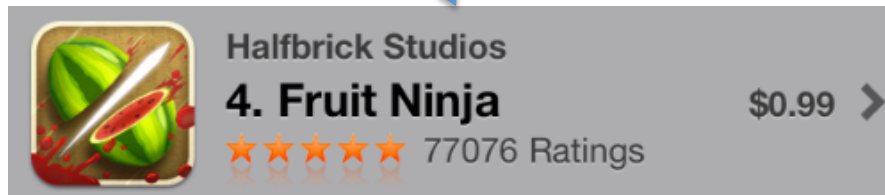




Table View

- Khởi tạo đối tượng UITableView
- Cấu hình Table View
- Truy cập các Cells và Sections
- Cuộn Table View
- Quản lý lựa chọn trong Table View
- Thêm, xoá, sửa row và section
- Quản lý chỉnh sửa Table Cell
- Tải lại Table View
- Truy cập vào vùng vẽ của Table View
- Quản lý Delegate và Data Source

Table View

- Khởi tạo đối tượng UITableView
 - (id)initWithFrame:(CGRect)frame style:(UITableViewStyle)style

California
Brea
Burlingame
Canoga Park
Carlsbad
Chula Vista
Corte Madera
Costa Mesa
Emeryville
Escondido
Section Footer

UITableViewStylePlain

California
Brea
Burlingame
Section Footer
Florida
Altamonte Springs
Aventura
Section Footer
New York
Albany
Section Footer

UITableViewStyleGrouped



Table View

- Cấu hình Table View
 - (id)dequeueReusableCellWithIdentifier:(NSString *)identifier
 - @property(nonatomic, readonly) UITableViewStyle style
 - (NSInteger)numberOfRowsInSection:(NSInteger)section
 - (NSInteger)numberOfSections
 - @property(nonatomic) CGFloat rowHeight
 - @property(nonatomic) UITableViewCellSeparatorStyle separatorStyle
 - @property(nonatomic, retain) UIColor *separatorColor



Table View

- Cấu hình Table View (tt)
 - @property(nonatomic, readwrite, retain) UIView *backgroundView
 - @property(nonatomic, retain) UIView *tableHeaderView
 - @property(nonatomic, retain) UIView *tableFooterView
 - @property(nonatomic) CGFloat sectionHeaderHeight
 - @property(nonatomic) CGFloat sectionFooterHeight
 - @property(nonatomic) NSInteger sectionIndexMinimumDisplayRowCount



Table View

- Truy cập các Cells và Sections
 - (UITableViewCell *)cellForRowAtIndexPath:(NSIndexPath *) indexPath
 - (NSIndexPath *)indexPathForCell:(UITableViewCell *) cell
 - (NSIndexPath *)indexPathForRowAtPoint:(CGPoint) point
 - (NSArray *)indexPathsForRowsInRect:(CGRect) rect
 - (NSArray *) visibleCells
 - (NSArray *)indexPathsForVisibleRows



Table View

- Cuộn Table View
 - (void)scrollToNearestSelectedRowAtScrollPosition:(UITableViewScrollPosition) scrollPosition animated:(BOOL) animated
 - (void)scrollToNearestSelectedRowAtScrollPosition:(UITableViewScrollPosition) scrollPosition animated:(BOOL) animated



Table View

- Quản lý lựa chọn trong Table View
 - (NSIndexPath *)indexPathForSelectedRow
 - (NSArray *)indexPathsForSelectedRows
 - (void)selectRowAtIndex:(NSIndexPath *)indexPath
animated:(BOOL) animated scrollPosition:
(UITableViewScrollPosition) scrollPosition
 - (void)deselectRowAtIndex:(NSIndexPath *)indexPath
animated:(BOOL)animated
 - @property(nonatomic) BOOL allowsSelection
 - @property(nonatomic) BOOL allowsMultipleSelection
 - @property(nonatomic) BOOL allowsSelectionDuringEditing
 - @property(nonatomic) BOOL
allowsMultipleSelectionDuringEditing



Table View

- Thêm, xoá, sửa row và section
 - (void)beginUpdates
 - (void)endUpdates
 - (void)insertRowsAtIndexPaths:(NSArray *)indexPaths
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)deleteRowsAtIndexPaths:(NSArray *)indexPaths
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)moveRowAtIndexPath:(NSIndexPath *)indexPath
toIndexPath:(NSIndexPath *)newIndexPath
 - (void)insertSections:(NSIndexSet *)sections
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)deleteSections:(NSIndexSet *)sections
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)moveSection:(NSInteger)section toSection:
(NSInteger)newSection



Table View

- Quản lý chỉnh sửa Table Cell
 - @property(nonatomic, getter=isEditing) BOOL editing
 - (void)setEditing:(BOOL)editing animated:(BOOL)animate



Table View

- Tải lại Table View
 - (void)reloadData
 - (void)reloadRowsAtIndexPaths:(NSArray *)indexPaths
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)reloadSections:(NSIndexSet *)sections
withRowAnimation:(UITableViewRowAnimation)animation
 - (void)reloadSectionIndexTitles



Table View

- Truy cập vào vùng vẽ của Table View
 - (CGRect)rectForHeaderInSection:(NSInteger)section
 - (CGRect)rectForRowAtIndexPath:(NSIndexPath *)indexPath
 - (CGRect)rectForFooterInSection:(NSInteger)section
 - (CGRect)rectForHeaderInSection:(NSInteger)section



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Data Source



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - @property(nonatomic, assign) id<UITableViewDelegate> delegate
 - Cấu hình Rows trong Table View
 - Quản lý Accessory Views
 - Quản lý Selections
 - Thay đổi thuộc tính header và footer của Sections
 - Chỉnh sửa Table Rows



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Cấu hình Rows trong Table View
 - (CGFloat)tableView:(UITableView *)tableView heightForRowAtIndexPath:(NSIndexPath *)indexPath
 - (NSInteger)tableView:(UITableView *)tableView indentationLevelForRowAtIndexPath:(NSIndexPath *)indexPath
 - (void)tableView:(UITableView *)tableView willDisplayCell:(UITableViewCell *)cell forRowAtIndexPath:(NSIndexPath *)indexPath



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Quản lý Accessory Views
 - (void)tableView:(UITableView *)tableView
accessoryButtonTappedForRowWithIndexPath:(NSIndexPath *)indexPath
 - (UITableViewCellAccessoryType)tableView:(UITableView *)tableView
accessoryTypeForRowWithIndexPath:(NSIndexPath *)indexPath



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Quản lý Selections
 - (NSIndexPath *)tableView:(UITableView *)tableView willSelectRowAtIndexPath:(NSIndexPath *)indexPath
 - (void)tableView:(UITableView *)tableView didSelectRowAtIndexPath:(NSIndexPath *)indexPath
 - (NSIndexPath *)tableView:(UITableView *)tableView willDeselectRowAtIndexPath:(NSIndexPath *)indexPath
 - (void)tableView:(UITableView *)tableView didDeselectRowAtIndexPath:(NSIndexPath *)indexPath



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Thay đổi thuộc tính header và footer của Sections
 - (UIView *)tableView:(UITableView *)tableView viewForHeaderInSection:(NSInteger)section
 - (UIView *)tableView:(UITableView *)tableView viewForFooterInSection:(NSInteger)section
 - (CGFloat)tableView:(UITableView *)tableView heightForHeaderInSection:(NSInteger)section
 - (CGFloat)tableView:(UITableView *)tableView heightForFooterInSection:(NSInteger)section



Table View

- Quản lý Delegate và Data Source
 - Delegate
 - Chỉnh sửa Table Rows
 - (void)tableView:(UITableView *)tableView willBeginEditingRowAtIndexPath:(NSIndexPath *)indexPath
 - (void)tableView:(UITableView *)tableView didEndEditingRowAtIndexPath:(NSIndexPath *)indexPath
 - (UITableViewCellEditingStyle)tableView:(UITableView *)tableView editingStyleForRowAtIndexPath:(NSIndexPath *)indexPath
 - (NSString *)tableView:(UITableView *)tableView titleForDeleteConfirmationButtonForRowAtIndexPath:(NSIndexPath *)indexPath
 - (BOOL)tableView:(UITableView *)tableView shouldIndentWhileEditingRowAtIndexPath:(NSIndexPath *)indexPath



Table View

- Quản lý Delegate và Data Source
 - Data Source
 - @property(nonatomic, assign) id<UITableViewDataSource> dataSource
 - Cấu hình Table View
 - Thêm hoặc xóa row trong table view
 - Sắp xếp lại row trong table view



Table View

- Quản lý Delegate và Data Source
 - Data Source
 - Cấu hình Table View
 - (UITableViewCell *)tableView:(UITableView *)tableView cellForRowAtIndexPath:(NSIndexPath *)indexPath
 - (NSInteger)numberOfSectionsInTableView:(UITableView *)tableView
 - (NSInteger)tableView:(UITableView *)tableView numberOfRowsInSection:(NSInteger)section
 - (NSArray *)sectionIndexTitlesForTableView:(UITableView *)tableView
 - (NSInteger)tableView:(UITableView *)tableView sectionForSectionIndexTitle:(NSString *)title atIndex:(NSInteger)index
 - (NSString *)tableView:(UITableView *)tableView titleForHeaderInSection:(NSInteger)section
 - (NSString *)tableView:(UITableView *)tableView titleForFooterInSection:(NSInteger)section



Table View

- Quản lý Delegate và Data Source
 - Data Source
 - Thêm hoặc xóa row trong table view
 - (void)tableView:(UITableView *)tableView commitEditingStyle:(UITableViewCellEditingStyle)editingStyle forRowAtIndexPath:(NSIndexPath *)indexPath
 - (BOOL)tableView:(UITableView *)tableView canEditRowAtIndexPath:(NSIndexPath *)indexPath



Table View

- Quản lý Delegate và Data Source
 - Data Source
 - Sắp xếp lại row trong table view
 - (BOOL)tableView:(UITableView *)tableView canMoveRowAtIndexPath:(NSIndexPath *)indexPath
 - (void)tableView:(UITableView *)tableView moveRowAtIndexPath:(NSIndexPath *)fromIndexPath toIndexPath:(NSIndexPath *)toIndexPath



Table View Cell

- Khởi tạo đối tượng UITableViewCell
- Reusing Cells
- Quản lý text, image trong table view cell
- Accessing views của đối tượng Cell
- Quản lý Accessory Views
- Quản lý Cell Selection và Highlighting
- Chỉnh sửa Cell
- Điều chỉnh trạng thái chuyển tiếp
- Canh lề nội dung của Cell



Table View Cell

- Khởi tạo đối tượng UITableViewCell
 - (id)initWithStyle:(UITableViewCellStyle)style reuseIdentifier:(NSString *)reuseIdentifier
 - (id)initWithFrame:(CGRect)frame reuseIdentifier:(NSString *)reuseIdentifier



Table View Cell

- Reusing Cells
 - @property(nonatomic, readonly, copy) NSString *reuseIdentifier
 - (void)prepareForReuse



Table View Cell

- Quản lý text, image trong table view cell
 - Text
 - @property(nonatomic, readonly, retain) UILabel *textLabel
 - @property(nonatomic, readonly, retain) UILabel *detailTextLabel
 - @property(nonatomic, retain) UIFont *font
 - @property(nonatomic) UILineBreakMode lineBreakMode
 - @property(nonatomic, retain) UIColor *selectedTextColor
 - @property(nonatomic, copy) NSString *text
 - @property(nonatomic) NSTextAlignment textAlignment
 - @property(nonatomic, retain) UIColor *textColor
 - Image
 - @property(nonatomic, readonly, retain) UIImageView *imageView
 - @property(nonatomic, retain) UIImage *image
 - @property(nonatomic, retain) UIImage *selectedImage



Table View Cell

- Accessing views của đối tượng Cell
 - @property(nonatomic, readonly, retain) UIView *contentView
 - @property(nonatomic, retain) UIView *backgroundView
 - @property(nonatomic, retain) UIView *selectedBackgroundView
 - @property(nonatomic, retain) UIView *multipleSelectionBackgroundView



Table View Cell

- Quản lý Accessory Views
 - @property(n nonatomic) UITableViewCellStyle accessoryType
 - @property(n nonatomic, retain) UIView *accessoryView
 - @property(n nonatomic) UITableViewCellStyle editingAccessoryType
 - @property(n nonatomic, retain) UIView *editingAccessoryView
 - @property(n nonatomic) BOOL hidesAccessoryWhenEditing



Table View Cell

- Quản lý Cell Selection và Highlighting
 - @property(nonatomic, getter=isSelected) BOOL selected
 - @property(nonatomic) UITableViewCellSelectionStyle selectionStyle
 - (void)setSelected:(BOOL)selected animated:(BOOL)animated
 - @property(nonatomic, getter=isHighlighted) BOOL highlighted
 - (void)setHighlighted:(BOOL)highlighted animated:(BOOL)animated



Table View Cell

- **Chỉnh sửa Cell**
 - @property(nonatomic, getter=isEditing) BOOL editing
 - (void)setEditing:(BOOL)editing animated:(BOOL)animated
 - @property(nonatomic, readonly) UITableViewCellEditingStyle editingStyle
 - @property(nonatomic, readonly) BOOL showingDeleteConfirmation
 - @property(nonatomic) BOOL showsReorderControl



Table View Cell

- Điều chỉnh trạng thái chuyển tiếp
 - (void)willTransitionToState:(UITableViewCellStateMask)state
 - (void)didTransitionToState:(UITableViewCellStateMask)state



Table View Cell

- Canh lề nội dung của Cell

- @property(nonatomic) NSInteger indentationLevel
- @property(nonatomic) CGFloat indentationWidth
- @property(nonatomic) BOOL shouldIndentWhileEditing

Default zero

Default 10 points

Default YES



Q&A