

## iOS assignment

- 1) Write this sample application in OBJC and Swift 2.x
- 2) Create an application that will list out the JSON data provided below having text and an image url with each dictionary
- 3) The application should list out the text in a table view and lazy load the images using the default (or custom) table view cell using NSCACHE
- 4) The height of the cell should be 44 and the size of the image should be 40 x 40 centered vertically and to the left of the text.
- 5) The table should scroll smoothly even with the image lazy loading.
- 6) If the user selects the table view cell ad new screen with the full image should be displayed.
- 7) A navigation controller should be used so the user can go back to the table from the image screen.
- 8) The status bar should not be shown in the app.
- 9) Rotation should be supported
- 10) User should be able to sort the display by name (alpha up or down) or image (alpha up or down)
- 11) User should be able to filter on name.
- 12) Please provide DOXYGEN style comments for at least a few methods and for extra credit, generate the HTML output for the comments using DOXYGEN.

Sample JSON file format, should have about 20 entries to show off scrolling, etc.

```
[
  {
    "name": "Vayne",
    "image": "some http to an image"
  },
  {
    "name": "Ekko",
    "image": "some http to an image"
```

}  
]