Assignment 4: Final Mobile Application

GameTrooper
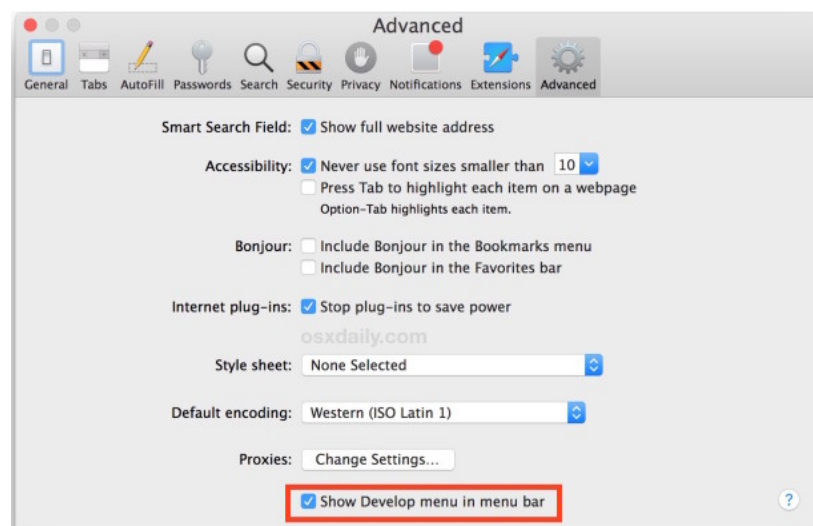
Ray Krishardi Layadi - 26445549

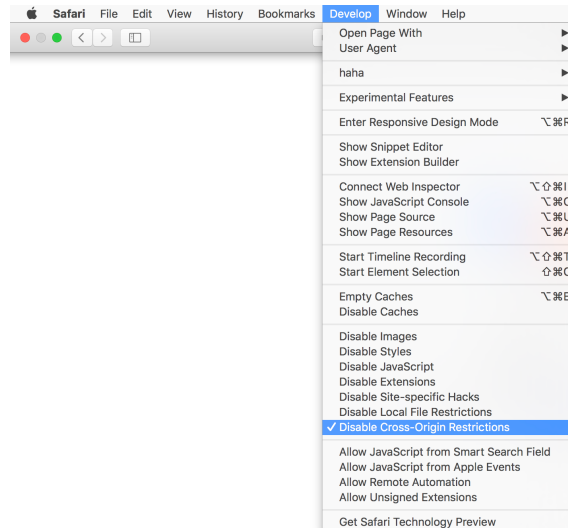
Additional Functionality

- Add support for "scroll-to-top" gesture when the user double tap on the "News", "Top Games", and "About" tab bar item (increase the user experience)

GameTrooper.html

- **Support "Safari" web browser only as additional setup to "Safari" is required to make sure that the script runs properly**
  - It seems that the process of downloading the latest top 10 games out now and upcoming from Giant Bomb API returns a CORS (Cross-Origin Resource Sharing) error. Therefore, additional setup to "Safari" is required to resolve this error.
- **Additional setup to "Safari":**
  - 1. Enable "Develop" menu in "Safari" (http://osxdaily.com/2011/11/03/enable-the-develop-menu-in-safari/)
    - 1. Pull down the "Safari" menu and choose "Preferences"
    - 2. Click on the "Advanced" tab
    - 3. Check the box next to "Show Develop menu in menu bar"

- 4. Close Preferences, the Develop menu will now be visible between Bookmarks and Window menus
  - o 2. Disable "Cross-Origin Restrictions" in "Develop" menu
    - 1. Click on "Develop" menu
    - 2. Click on "Disable Cross-Origin Restrictions" and a check mark will be displayed to indicate that the restriction has been disabled

- **Usage:**
  - o Download latest IGN and Polygon news from News API in JSON format and store each unique news in firebase database
    - Automatic download every 5 minutes
    - Include validation to ensure that only unique news are added to the firebase database
  - o Download latest top 10 games out now from Giant Bomb API in JSON format and store them in firebase database
    - Automatic download every 12 hours
  - o Download latest top 10 upcoming games (one month ahead of current date and available in PC, PS4, Xbox One, and Nintendo Switch) from Giant Bomb API in JSON format and store them in firebase database
    - Automatic download every 12 hours
  - o Upload and store the quiz questions, answers, and answer details in firebase database

Note

- GameTrooper is optimized and tested on iPhone 5
  - Support both portrait and landscape orientation
    - However, "Quiz screen" in landscape orientation is not recommended as the user will not be able to play the True or False quiz game
- GameTrooper.html is tested on "Safari v10.1.1" web browser
  - Bibliography is available inside the "html" folder