TV Guide Assessment

Motivation

At MobileAware we often have to work with complicated data and think creatively about how to best present information for user consumption. This assessment is an involved problem that demonstrates your abilities in the following areas:

1. Creativity
2. Organizing complicated data models
    a. Object oriented programming
    b. Patterns of inheritance
3. Implementing custom UI
    a. Adhering to mockup specification
    b. Proper usage of assets
    c. Supporting multiple screen sizes and resolutions
4. Managing application performance
    a. Limiting user wait times
    b. Delivering fluid user experience in the context of network activities
    c. Taking into account processor / memory / network constraints
5. Source control
    a. Basic usage of GIT

Submission

1. Create a private git repository containing your project and written submission.
2. Add MA's SSH key to your private repository ([Github](#) | [Bitbucket](#))
3. Submit the repository git url to MA

Public key:
https://www.dropbox.com/s/rnc3pjx3jisvv64/ma-assess.pub

Assessing Creativity

TV Guides have remained unchanged over the last 10 years, despite huge innovation in mobile. Mobile devices have the capability to make a much better TV guide experience and that's exactly what MobileAware wants to see. In this part of the assessment you will provide a written submission that describes what your dream TV guide would be and how you would build it if you were given unlimited time.

Every TV Guide needs to have:
1. Exploration - discovery of what is available for you to watch right now
2. Search - finding specific content by name or keyword

How you choose to attack these problems in the written assessment is up to you. Please include the written assessment in your private git repository and name it *README*.

Development Plan

1. Explore the APIs to find out what data is available
2. Examine the mockups and assets
3. Provide an initial estimate of the level of effort involved
4. Implement the design and integration of APIs
5. Add our public key to your private repository
6. Send us the url for your private GIT repository hosted on either BitBucket or Github.

APIs

* **http://guilmo.com/tvguide/showtrends.php**
* **http://guilmo.com/tvguide/searchShows.php?url=game%20of%20thrones**
* **http://guilmo.com/tvguide/getShowInfo.php?url=/m/shows/criminal-minds**
* **http://services.tvrage.com/feeds/fullschedule.php?country=US**

Links

* Mockups
* Assets