Frontend Technical Document

Project overview

- Project summary

Source control

- GIT repository @ [http://url (http://url)](http://url)

Technical used

- HTML5
- CSS3
- JavaScript
- Build tools

    - NodeJS
    - Grunt
    - Gulp
    - CoffeeScript
    - Jade
    - Less

- Frameworks

    - Bootstrap
    - jQuery
    - AngularJS
    - BackboneJS
    - EmberJS

- Plugins

    - Form validation @ [http://jqueryvalidation.org (http://jqueryvalidation.org)](http://jqueryvalidation.org)
    - Slider @ [http://bxslider.com (http://bxslider.com)](http://bxslider.com)
    - Lightbox @ [http://fancybox.net (http://fancybox.net)](http://fancybox.net)
    - Custom scroll @ [http://jscrollpane.kelvinluck.com (http://jscrollpane.kelvinluck.com)](http://jscrollpane.kelvinluck.com)
    - Uploader @ [http://blueimp.github.io/jQuery-File-Upload (http://blueimp.github.io/jQuery-File-Upload)](http://blueimp.github.io/jQuery-File-Upload)

Web service

- RESTFUL
- URL @ [http://url (http://url)](http://url)

Social network integration

- Facebook
- Twitter
- Youtube
- Vimeo

Third parties integration

- AddThis
- ShareThis
- Video.js

Web Analytics

- Google Analytics
- Adobe Analytics

Browsers & Platforms supported

- Windows 7, 8.1

    - Microsoft Internet Explorer 9, 10, 11
    - Microsoft Internet Explorer 8 fallback support (no responsive, no CSS3 features, see more @ [http://caniuse.com (http://caniuse.com/#search=css3)](http://caniuse.com/#search=css3))
    - Firefox latest
    - Chrome latest

- Mac OSX

    - Firefox latest
    - Chrome latest
    - Safari latest

Devices supported

- Tablet:
  - iOS 7+ (iPad 4, iPad Air)
  - Android 4.3+ (Samsung Galaxy Tab 4 10.1)
- Mobile:
  - iOS 7+ (iPhone 5S/6/6+)
  - Android 4.3+ (Samsung Galaxy S4/S5)

Responsive approach

- Breakpoints
  - Large screen: 1200 and above
  - Medium screen: 1024 to 1199
  - Small screen: 768 to 1023
  - Extra small screen: below 768

Code standards

- Follow Frontend code conventions
  - HTML/CSS/JS Checklist
  - On-page SEO Checklist
- Follow W3C standards
  - HTML Validator http://validator.w3.org (http://validator.w3.org)
  - CSS Validator http://jigsaw.w3.org/css-validator (http://jigsaw.w3.org/css-validator)
  - Link Checker http://validator.w3.org/checklink (http://validator.w3.org/checklink)
  - Web Accessibility http://a11yproject.com (http://a11yproject.com)
- Code quality tool
  - JSHint http://jshint.com (http://jshint.com)
  - CSSLint http://csslint.net (http://csslint.net)

Security

- Cross-Site Scripting (XSS)
- Cross-Site Request Forgery (CSRF)

Web performance

- YSlow http://developer.yahoo.com/yslow (http://developer.yahoo.com/yslow)
- PageSpeed https://developers.google.com/speed/pagespeed (https://developers.google.com/speed/pagespeed)

Folder structure

```
frontend-template
    .gitignore
    .jadelintrc                <!-- Validate jade files with jadelint -->
    .htmlhintrc                <!-- Validate html files with htmlhint -->
    .csslintrc                 <!-- Validate css files with csslint -->
    .jshintrc                  <!-- Validate js files with JSHint -->
    .travis.yml
    package.json
    Gruntfile.js
    README.md
    /app                       <!-- Source code folder -->
        server.js              <!-- Node server configuration -->
        /assets
            /fonts             <!-- Contains font files -->
                fontawesome-webfont.eot
                fontawesome-webfont.svg
                fontawesome-webfont.ttf
                fontawesome-webfont.woff
                fontawesome-webfont.woff2
                FontAwesome.otf
            /icons             <!-- Contains favicon files -->
                favicon.ico
                apple-touch-icon-precomposed.png
            /images            <!-- Contains static image files -->
                transparent.png
                /upload        <!-- Contains dynamic image files -->
            /media             <!-- Contains audio/video files -->
        /scripts               <!-- Contains js files -->
            l10n.js            <!-- Localization -->
            site.js            <!-- Main JavaScript file -->
            /plugins
                plugin.js      <!-- Contains all JavaScript plugins -->
```

```
            /libs
                modernizr.2.8.3.js
                detectizr.js
                jquery-2.1.4.js
                /plugins            <!-- Contains all JavaScript authorized plugins -->
        /styles                 <!-- Contains all less files -->
            common.less
            editor.less
            fontface.less
            form.less
            ie.less
            mixin.less
            page.less
            plugin.less
            print.less
            responsive.less
            sprite.less
            structure.less
            style.less
            variable.less
            /libs               <!-- Contains library files -->
                grid.less
                libs.less
                reset.less
                util.less
            /blocks             <!-- Contains blocks/modules -->
                footer.less
                header.less
        /views                  <!-- Contains jade files -->
            index.jade
            404.jade
            sitemap.jade
            template-layer.jade
            template-sprite.jade
            template-style-guide.jade
            /blocks             <!-- Contains blocks/modules -->
                header.jade
                footer.jade
                script.jade
            /layouts            <!-- Contains layout -->
                layout.jade
                template.jade
            /mixins             <!-- Contains mixins -->
                all.jade
                img.jade
                link.jade
                nav.jade
            /data               <!-- Data will be used by Ajax -->
                data.jade
                data.json
                data.xml
/static                         <!-- Static folder is generated by Grunt -->
    apple-touch-icon-precomposed.png
    favicon-16x16.png
    index.html
    sitemap.html
    template-layer.html
    template-sprite.html
    template-style-guide.html
    /css
        ie.css
        libs.css
        print.css
        style.css
    /data
        data.html
        data.json
        data.xml
    /fonts
        fontawesome-webfont.eot
        fontawesome-webfont.svg
        fontawesome-webfont.ttf
        fontawesome-webfont.woff
        fontawesome-webfont.woff2
        FontAwesome.otf
    /images
        transparent.png
        /upload
    /js
        l10n.js
        libs.js
```

```
            modernizr.js
            script.js
        /media
/doc                        <!-- Contains all documents -->
    CODE-REVIEW.md
    CODE-STANDARDS.md
    TECHNICAL-DOCUMENT.md
/test                       <!-- Write unit tests -->
    test.js
    test.html
    /qunit
        qunit-1.13.0.css
        qunit-1.13.0.js
/tmp                        <!-- Contains temporary files -->
  l10n.js
  plugin.js
  site.js
  /node_modules             <!-- All modules listed as dependencies -->
```