

# Frontend Technical Document

## Project overview

- Project summary

## Source control

- GIT repository @ <http://url> (<http://url>)

## Technical used

- HTML5
- CSS3
- JavaScript
- Build tools
  - NodeJS
  - Grunt
  - Gulp
  - Pug
  - Less
- Frameworks
  - Bootstrap
  - jQuery
  - AngularJS
  - ReactJS
- Plugins
  - Form validation @ <http://jqueryvalidation.org> (<http://jqueryvalidation.org>)
  - Slider @ <http://bxslider.com> (<http://bxslider.com>)
  - Lightbox @ <http://fancybox.net> (<http://fancybox.net>)
  - Custom scroll @ <http://jscrollpane.kelvinluck.com> (<http://jscrollpane.kelvinluck.com>)
  - Uploader @ <http://blueimp.github.io/jQuery-File-Upload> (<http://blueimp.github.io/jQuery-File-Upload>)

## Web service

- RESTFUL
- 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 8.1, 10
  - Microsoft Internet Explorer 10, 11
  - Firefox latest
  - Chrome latest
- Mac OSX
  - Firefox latest
  - Chrome latest
  - Safari latest

## Devices supported

- Tablet:
  - iOS 9+ (iPad 4, iPad Air)

- Android 4.4+ (Samsung Galaxy Tab 4 10.1)
- Mobile:
  - iOS 9+ (iPhone 5S/6/6+)
  - Android 4.4+ (Samsung Galaxy S5/S6)

## Responsive approach

- Breakpoints
  - Large screen: 1200 and above
  - Medium screen: 992 to 1199
  - Small screen: 768 to 991
  - 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
  .csslintrc                <!-- Validate css files with csslint -->
  .gitignore
  .htmlhintrc              <!-- Validate html files with htmlhint -->
  .jshintrc                <!-- Validate js files with JSHint -->
  .pug-lintrc              <!-- Validate jade files with jadelint -->
  breakpoints-test.json    <!-- Configuration for testing layouts -->
  Gruntfile.js
  gulpfile.js
  package.json
  README.md
  /app                     <!-- Source code folder -->
    /assets
      /fonts               <!-- Contains font files -->
        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
          detectizr.js
          handlebars-v4.0.5.js
          jquery-2.1.4.js
          modernizr.2.8.3.js

```

```
    /plugins          <!-- Contains all JavaScript authorized plugins -->
  /styles             <!-- Contains all less files -->
    common.less
    editor.less
    fontface.less
    form.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
    block-1.less
  /views              <!-- Contains jade files -->
    index.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
  /doc                <!-- Contains all documents -->
    CODE-STANDARDS.md
    TECHNICAL-DOCUMENT.md
    /code-review      <!-- Contains all review code document -->
  /node_modules       <!-- All modules listed as dependencies -->
  /server             <!-- Node server configuration -->
    index.js
    routers.js
  /static             <!-- Static folder is generated by Grunt -->
  /test               <!-- Write tests for qunit test and layouts test -->
    /layouts
    /qunit
  /tmp               <!-- Contains temporary files -->
    iconfonts.less
    l10n.js
    plugin.js
    site.js
```