AngularJS Project -

Blog App

While most "todo" demos provide an excellent cursory glance at a framework's capabilities, they typically don't convey the knowledge & perspective required to actually build *real* applications with it.

RealWorld solves this by allowing you to choose any frontend (React, Angular 2, & more) and any backend (Node, Django, & more) and see how they power a real world, beautifully designed fullstack app called "[Conduit](https://demo.realworld.io/)".

# Project Overview

"Conduit" is a social blogging site (i.e. a Medium.com clone). It uses a custom API for all requests, including authentication. You can view a live demo over at [https://demo.realworld.io](https://demo.realworld.io/)

## General functionality:

* Authenticate users via JWT (login/signup pages + logout button on settings page)
* CRU\* users (sign up & settings page - no deleting required)
* CRUD Articles
* CR\*D Comments on articles (no updating required)
* GET and display paginated lists of articles
* Favorite articles
* Follow other users

# Frontend Specs

## Using the hosted API

Simply point your [API requests](https://github.com/gothinkster/realworld/tree/master/api) to <https://conduit.productionready.io/api>  and you're good to go!

## Routing Guidelines ~ 6 page

* Home page (URL: /#/ )
  + List of tags
  + List of articles pulled from either Feed, Global, or by Tag
  + Pagination for list of articles
* Sign in/Sign up pages (URL: /#/login, /#/register )
  + Uses JWT (store the token in localStorage)
  + Authentication can be easily switched to session/cookie based
* Settings page (URL: /#/settings )
* Editor page to create/edit articles (URL: /#/editor, /#/editor/article-slug-here )
* Article page (URL: /#/article/article-slug-here )
  + Delete article button (only shown to article's author)
  + Render markdown from server client side
  + Comments section at bottom of page
  + Delete comment button (only shown to comment's author)
* Profile page (URL: /#/profile/:username, /#/profile/:username/favorites )
  + Show basic user info
  + List of articles populated from author's created articles or author's favorited articles

## Styles

Instead of having the Bootstrap theme included locally, we recommend loading the precompiled theme from our CDN (our [header template](https://github.com/gothinkster/realworld-starter-kit/blob/master/FRONTEND_INSTRUCTIONS.md#header) does this by default):

|  |
| --- |
| <link rel="stylesheet" href="//demo.productionready.io/main.css"> |

Alternatively, if you want to make modifications to the theme, check out the [theme's repo](https://github.com/gothinkster/conduit-bootstrap-template).

## Templates

### Layout

#### Header

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="utf-8">  <title>Conduit</title>  <!-- Import Ionicon icons & Google Fonts our Bootstrap theme relies on -->  <link href="//code.ionicframework.com/ionicons/2.0.1/css/ionicons.min.css" rel="stylesheet" type="text/css">  <link href="//fonts.googleapis.com/css?family=Titillium+Web:700|Source+Serif+Pro:400,700|Merriweather+Sans:400,700|Source+Sans+Pro:400,300,600,700,300italic,400italic,600italic,700italic" rel="stylesheet" type="text/css">  <!-- Import the custom Bootstrap 4 theme from our hosted CDN -->  <link rel="stylesheet" href="//demo.productionready.io/main.css">  </head>  <body>  <nav class="navbar navbar-light">  <div class="container">  <a class="navbar-brand" href="index.html">conduit</a>  <ul class="nav navbar-nav pull-xs-right">  <li class="nav-item">  <!-- Add "active" class when you're on that page" -->  <a class="nav-link active" href="">Home</a>  </li>  <li class="nav-item">  <a class="nav-link" href="">  <i class="ion-compose"></i>&nbsp;New Post  </a>  </li>  <li class="nav-item">  <a class="nav-link" href="">  <i class="ion-gear-a"></i>&nbsp;Settings  </a>  </li>  <li class="nav-item">  <a class="nav-link" href="">Sign up</a>  </li>  </ul>  </div>  </nav> |

#### Footer

|  |
| --- |
| <footer>  <div class="container">  <a href="/" class="logo-font">conduit</a>  <span class="attribution">  An interactive learning project from <a href="https://thinkster.io">Thinkster</a>. Code &amp; design licensed under MIT.  </span>  </div>  </footer>  </body>  </html> |

### Pages

#### Home

|  |
| --- |
| <div class="home-page">  <div class="banner">  <div class="container">  <h1 class="logo-font">conduit</h1>  <p>A place to share your knowledge.</p>  </div>  </div>  <div class="container page">  <div class="row">  <div class="col-md-9">  <div class="feed-toggle">  <ul class="nav nav-pills outline-active">  <li class="nav-item">  <a class="nav-link disabled" href="">Your Feed</a>  </li>  <li class="nav-item">  <a class="nav-link active" href="">Global Feed</a>  </li>  </ul>  </div>  <div class="article-preview">  <div class="article-meta">  <a href="profile.html"><img src="http://i.imgur.com/Qr71crq.jpg" /></a>  <div class="info">  <a href="" class="author">Eric Simons</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-outline-primary btn-sm pull-xs-right">  <i class="ion-heart"></i> 29  </button>  </div>  <a href="" class="preview-link">  <h1>How to build webapps that scale</h1>  <p>This is the description for the post.</p>  <span>Read more...</span>  </a>  </div>  <div class="article-preview">  <div class="article-meta">  <a href="profile.html"><img src="http://i.imgur.com/N4VcUeJ.jpg" /></a>  <div class="info">  <a href="" class="author">Albert Pai</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-outline-primary btn-sm pull-xs-right">  <i class="ion-heart"></i> 32  </button>  </div>  <a href="" class="preview-link">  <h1>The song you won't ever stop singing. No matter how hard you try.</h1>  <p>This is the description for the post.</p>  <span>Read more...</span>  </a>  </div>  </div>  <div class="col-md-3">  <div class="sidebar">  <p>Popular Tags</p>  <div class="tag-list">  <a href="" class="tag-pill tag-default">programming</a>  <a href="" class="tag-pill tag-default">javascript</a>  <a href="" class="tag-pill tag-default">emberjs</a>  <a href="" class="tag-pill tag-default">angularjs</a>  <a href="" class="tag-pill tag-default">react</a>  <a href="" class="tag-pill tag-default">mean</a>  <a href="" class="tag-pill tag-default">node</a>  <a href="" class="tag-pill tag-default">rails</a>  </div>  </div>  </div>  </div>  </div>  </div> |

#### Login/Register

|  |
| --- |
| <div class="auth-page">  <div class="container page">  <div class="row">  <div class="col-md-6 offset-md-3 col-xs-12">  <h1 class="text-xs-center">Sign up</h1>  <p class="text-xs-center">  <a href="">Have an account?</a>  </p>  <ul class="error-messages">  <li>That email is already taken</li>  </ul>  <form>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="text" placeholder="Your Name">  </fieldset>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="text" placeholder="Email">  </fieldset>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="password" placeholder="Password">  </fieldset>  <button class="btn btn-lg btn-primary pull-xs-right">  Sign up  </button>  </form>  </div>  </div>  </div>  </div> |

#### Profile

|  |
| --- |
| <div class="profile-page">  <div class="user-info">  <div class="container">  <div class="row">  <div class="col-xs-12 col-md-10 offset-md-1">  <img src="http://i.imgur.com/Qr71crq.jpg" class="user-img" />  <h4>Eric Simons</h4>  <p>  Cofounder @GoThinkster, lived in Aol's HQ for a few months, kinda looks like Peeta from the Hunger Games  </p>  <button class="btn btn-sm btn-outline-secondary action-btn">  <i class="ion-plus-round"></i>  &nbsp;  Follow Eric Simons  </button>  </div>  </div>  </div>  </div>  <div class="container">  <div class="row">  <div class="col-xs-12 col-md-10 offset-md-1">  <div class="articles-toggle">  <ul class="nav nav-pills outline-active">  <li class="nav-item">  <a class="nav-link active" href="">My Articles</a>  </li>  <li class="nav-item">  <a class="nav-link" href="">Favorited Articles</a>  </li>  </ul>  </div>  <div class="article-preview">  <div class="article-meta">  <a href=""><img src="http://i.imgur.com/Qr71crq.jpg" /></a>  <div class="info">  <a href="" class="author">Eric Simons</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-outline-primary btn-sm pull-xs-right">  <i class="ion-heart"></i> 29  </button>  </div>  <a href="" class="preview-link">  <h1>How to build webapps that scale</h1>  <p>This is the description for the post.</p>  <span>Read more...</span>  </a>  </div>  <div class="article-preview">  <div class="article-meta">  <a href=""><img src="http://i.imgur.com/N4VcUeJ.jpg" /></a>  <div class="info">  <a href="" class="author">Albert Pai</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-outline-primary btn-sm pull-xs-right">  <i class="ion-heart"></i> 32  </button>  </div>  <a href="" class="preview-link">  <h1>The song you won't ever stop singing. No matter how hard you try.</h1>  <p>This is the description for the post.</p>  <span>Read more...</span>  <ul class="tag-list">  <li class="tag-default tag-pill tag-outline">Music</li>  <li class="tag-default tag-pill tag-outline">Song</li>  </ul>  </a>  </div>  </div>  </div>  </div>  </div> |

#### Settings

|  |
| --- |
| <div class="settings-page">  <div class="container page">  <div class="row">  <div class="col-md-6 offset-md-3 col-xs-12">  <h1 class="text-xs-center">Your Settings</h1>  <form>  <fieldset>  <fieldset class="form-group">  <input class="form-control" type="text" placeholder="URL of profile picture">  </fieldset>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="text" placeholder="Your Name">  </fieldset>  <fieldset class="form-group">  <textarea class="form-control form-control-lg" rows="8" placeholder="Short bio about you"></textarea>  </fieldset>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="text" placeholder="Email">  </fieldset>  <fieldset class="form-group">  <input class="form-control form-control-lg" type="password" placeholder="Password">  </fieldset>  <button class="btn btn-lg btn-primary pull-xs-right">  Update Settings  </button>  </fieldset>  </form>  </div>  </div>  </div>  </div> |

#### Create/Edit Article

|  |
| --- |
| <div class="editor-page">  <div class="container page">  <div class="row">  <div class="col-md-10 offset-md-1 col-xs-12">  <form>  <fieldset>  <fieldset class="form-group">  <input type="text" class="form-control form-control-lg" placeholder="Article Title">  </fieldset>  <fieldset class="form-group">  <input type="text" class="form-control" placeholder="What's this article about?">  </fieldset>  <fieldset class="form-group">  <textarea class="form-control" rows="8" placeholder="Write your article (in markdown)"></textarea>  </fieldset>  <fieldset class="form-group">  <input type="text" class="form-control" placeholder="Enter tags"><div class="tag-list"></div>  </fieldset>  <button class="btn btn-lg pull-xs-right btn-primary" type="button">  Publish Article  </button>  </fieldset>  </form>  </div>  </div>  </div>  </div> |

#### Article

|  |
| --- |
| <div class="article-page">  <div class="banner">  <div class="container">  <h1>How to build webapps that scale</h1>  <div class="article-meta">  <a href=""><img src="http://i.imgur.com/Qr71crq.jpg" /></a>  <div class="info">  <a href="" class="author">Eric Simons</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-sm btn-outline-secondary">  <i class="ion-plus-round"></i>  &nbsp;  Follow Eric Simons <span class="counter">(10)</span>  </button>  &nbsp;&nbsp;  <button class="btn btn-sm btn-outline-primary">  <i class="ion-heart"></i>  &nbsp;  Favorite Post <span class="counter">(29)</span>  </button>  </div>  </div>  </div>  <div class="container page">  <div class="row article-content">  <div class="col-md-12">  <p>  Web development technologies have evolved at an incredible clip over the past few years.  </p>  <h2 id="introducing-ionic">Introducing RealWorld.</h2>  <p>It's a great solution for learning how other frameworks work.</p>  </div>  </div>  <hr />  <div class="article-actions">  <div class="article-meta">  <a href="profile.html"><img src="http://i.imgur.com/Qr71crq.jpg" /></a>  <div class="info">  <a href="" class="author">Eric Simons</a>  <span class="date">January 20th</span>  </div>  <button class="btn btn-sm btn-outline-secondary">  <i class="ion-plus-round"></i>  &nbsp;  Follow Eric Simons <span class="counter">(10)</span>  </button>  &nbsp;  <button class="btn btn-sm btn-outline-primary">  <i class="ion-heart"></i>  &nbsp;  Favorite Post <span class="counter">(29)</span>  </button>  </div>  </div>  <div class="row">  <div class="col-xs-12 col-md-8 offset-md-2">  <form class="card comment-form">  <div class="card-block">  <textarea class="form-control" placeholder="Write a comment..." rows="3"></textarea>  </div>  <div class="card-footer">  <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-img" />  <button class="btn btn-sm btn-primary">  Post Comment  </button>  </div>  </form>    <div class="card">  <div class="card-block">  <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>  </div>  <div class="card-footer">  <a href="" class="comment-author">  <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-img" />  </a>  &nbsp;  <a href="" class="comment-author">Jacob Schmidt</a>  <span class="date-posted">Dec 29th</span>  </div>  </div>  <div class="card">  <div class="card-block">  <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>  </div>  <div class="card-footer">  <a href="" class="comment-author">  <img src="http://i.imgur.com/Qr71crq.jpg" class="comment-author-img" />  </a>  &nbsp;  <a href="" class="comment-author">Jacob Schmidt</a>  <span class="date-posted">Dec 29th</span>  <span class="mod-options">  <i class="ion-edit"></i>  <i class="ion-trash-a"></i>  </span>  </div>  </div>    </div>  </div>  </div>  </div> |

# Backend Specs

API URL:  <https://conduit.productionready.io/api>

## Endpoints:

### Authentication:

|  |
| --- |
| POST /api/users/login |

Example request body:

|  |
| --- |
| {  "user":{  "email": "jake@jake.jake",  "password": "jakejake"  }  } |

No authentication required, returns a User

Required fields: email, password

### Registration:

|  |
| --- |
| POST /api/users |

Example request body:

|  |
| --- |
| {  "user":{  "username": "Jacob",  "email": "jake@jake.jake",  "password": "jakejake"  }  } |

No authentication required, returns a User

Required fields: email, username, password

### Get Current User

|  |
| --- |
| GET /api/user |

Authentication required, returns a User that's the current user

### Update User

|  |
| --- |
| PUT /api/user |

Example request body:

|  |
| --- |
| {  "user":{  "email": "jake@jake.jake",  "bio": "I like to skateboard",  "image": "https://i.stack.imgur.com/xHWG8.jpg"  }  } |

Authentication required, returns the User

Accepted fields: email, username, password, image, bio

### Get Profile

|  |
| --- |
| GET /api/profiles/:username |

Authentication optional, returns a Profile

### Follow user

|  |
| --- |
| POST /api/profiles/:username/follow |

Authentication required, returns a Profile

No additional parameters required

### Unfollow user

|  |
| --- |
| DELETE /api/profiles/:username/follow |

Authentication required, returns a Profile

No additional parameters required

### List Articles

|  |
| --- |
| GET /api/articles |

Returns most recent articles globally by default, provide tag, author or favorited query parameter to filter results

Query Parameters:

Filter by tag:

|  |
| --- |
| ?tag=AngularJS |

Filter by author:

|  |
| --- |
| ?author=jake |

Favorited by user:

|  |
| --- |
| ?favorited=jake |

Limit number of articles (default is 20):

|  |
| --- |
| ?limit=20 |

Offset/skip number of articles (default is 0):

|  |
| --- |
| ?offset=0 |

Authentication optional, will return multiple articles, ordered by most recent first

### Feed Articles

|  |
| --- |
| GET /api/articles/feed |

Can also take limit and offset query parameters like list Articles

Authentication required, will return multiple articles created by followed users, ordered by most recent first.

### Get Article

|  |
| --- |
| GET /api/articles/:slug |

No authentication required, will return single article

### Create Article

|  |
| --- |
| POST /api/articles |

Example request body:

|  |
| --- |
| {  "article": {  "title": "How to train your dragon",  "description": "Ever wonder how?",  "body": "You have to believe",  "tagList": ["reactjs", "angularjs", "dragons"]  }  } |

Authentication required, will return an Article

Required fields: title, description, body

Optional fields: tagList as an array of Strings

### Update Article

|  |
| --- |
| PUT /api/articles/:slug |

Example request body:

|  |
| --- |
| {  "article": {  "title": "Did you train your dragon?"  }  } |

Authentication required, returns the updated Article

Optional fields: title, description, body

The slug also gets updated when the title is changed

### Delete Article

|  |
| --- |
| DELETE /api/articles/:slug |

Authentication required

### Add Comments to an Article

|  |
| --- |
| POST /api/articles/:slug/comments |

Example request body:

|  |
| --- |
| {  "comment": {  "body": "His name was my name too."  }  } |

Authentication required, returns the created Comment

Required field: body

### Get Comments from an Article

|  |
| --- |
| GET /api/articles/:slug/comments |

Authentication optional, returns multiple comments

### Delete Comment

|  |
| --- |
| DELETE /api/articles/:slug/comments/:id |

Authentication required

### Favorite Article

|  |
| --- |
| POST /api/articles/:slug/favorite |

Authentication required, returns the Article

No additional parameters required

### Unfavorite Article

|  |
| --- |
| DELETE /api/articles/:slug/favorite |

Authentication required, returns the Article

No additional parameters required

### Get Tags

|  |
| --- |
| GET /api/tags |

No authentication required, returns a List of Tags

## JSON Objects returned by API:

Make sure the right content type like Content-Type: application/json; charset=utf-8 is correctly returned.

### Users (for authentication)

|  |
| --- |
| {  "user": {  "email": "jake@jake.jake",  "token": "jwt.token.here",  "username": "jake",  "bio": "I work at statefarm",  "image": null  }  } |

### Profile

|  |
| --- |
| {  "profile": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://static.productionready.io/images/smiley-cyrus.jpg",  "following": false  }  } |

### Single Article

|  |
| --- |
| {  "article": {  "slug": "how-to-train-your-dragon",  "title": "How to train your dragon",  "description": "Ever wonder how?",  "body": "It takes a Jacobian",  "tagList": ["dragons", "training"],  "createdAt": "2016-02-18T03:22:56.637Z",  "updatedAt": "2016-02-18T03:48:35.824Z",  "favorited": false,  "favoritesCount": 0,  "author": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://i.stack.imgur.com/xHWG8.jpg",  "following": false  }  }  } |

### Multiple Articles

|  |
| --- |
| {  "articles":[{  "slug": "how-to-train-your-dragon",  "title": "How to train your dragon",  "description": "Ever wonder how?",  "body": "It takes a Jacobian",  "tagList": ["dragons", "training"],  "createdAt": "2016-02-18T03:22:56.637Z",  "updatedAt": "2016-02-18T03:48:35.824Z",  "favorited": false,  "favoritesCount": 0,  "author": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://i.stack.imgur.com/xHWG8.jpg",  "following": false  }  }, {  "slug": "how-to-train-your-dragon-2",  "title": "How to train your dragon 2",  "description": "So toothless",  "body": "It a dragon",  "tagList": ["dragons", "training"],  "createdAt": "2016-02-18T03:22:56.637Z",  "updatedAt": "2016-02-18T03:48:35.824Z",  "favorited": false,  "favoritesCount": 0,  "author": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://i.stack.imgur.com/xHWG8.jpg",  "following": false  }  }],  "articlesCount": 2  } |

### Single Comment

|  |
| --- |
| {  "comment": {  "id": 1,  "createdAt": "2016-02-18T03:22:56.637Z",  "updatedAt": "2016-02-18T03:22:56.637Z",  "body": "It takes a Jacobian",  "author": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://i.stack.imgur.com/xHWG8.jpg",  "following": false  }  }  } |

### Multiple Comments

|  |
| --- |
| {  "comments": [{  "id": 1,  "createdAt": "2016-02-18T03:22:56.637Z",  "updatedAt": "2016-02-18T03:22:56.637Z",  "body": "It takes a Jacobian",  "author": {  "username": "jake",  "bio": "I work at statefarm",  "image": "https://i.stack.imgur.com/xHWG8.jpg",  "following": false  }  }]  } |

### List of Tags

|  |
| --- |
| {  "tags": [  "reactjs",  "angularjs"  ]  } |

### Errors and Status Codes

If a request fails any validations, expect a 422 and errors in the following format:

|  |
| --- |
| {  "errors":{  "body": [  "can't be empty"  ]  }  } |

### Other status codes:

401 for Unauthorized requests, when a request requires authentication but it isn't provided

403 for Forbidden requests, when a request may be valid but the user doesn't have permissions to perform the action

404 for Not found requests, when a resource can't be found to fulfill the request