

Tag and Search Thumbnails

Project Description

- Upload image thumbnails directly on Amazon S3
- Create a React web-application
 - Ability to view all thumbnails saved in cloud
 - Ability to add and save multiple tags to each thumbnail
 - Ability to auto-suggest existing tag names on each keystroke when entering tag for thumbnail. If tag does not exist, create it.
 - Ability to filter thumbnails based on search keyword (tag) where list of thumbnails update in real-time on each keystroke
 - Stretch Goal: autosuggest top 10 tags when entering search keyword
- Create React Native Android mobile app
 - Ability to view all thumbnails saved in cloud
 - Ability to add and save multiple tags to each thumbnail
 - Ability to auto-suggest existing tag names on each keystroke when entering tag for thumbnail. If tag does not exist, create it.
 - Ability to filter thumbnails based on search keyword (tag) where list of thumbnails update in real-time on each keystroke
 - Stretch Goal: autosuggest top 10 tags when entering search keyword
- Constraints
 - Max 5 tags per thumbnail can be added
 - No space in tags
- Tags are keywords

Required Technology Stack

Programming Language

- [JavaScript](#) : programming language
- [ES6 language](#) : JavaScript (ECMA Script 2015)

Backend REST Web-service Framework

- [Sails.js](#) - Node.js open source MVC framework

Web User Interface Framework

- [React](#) : JavaScript library for building user interfaces by Facebook

Mobile App Development Framework

- [React Native](#) : Build mobile app using JavaScript [[video](#)]

Database

- [MongoDB](#)

Source Code Management

- [Git](#) : source code management
 - Ability to create repos
 - Ability to clone/checkout repos
 - Ability to create branch
 - Ability to commit and push code to repo

Cloud Platform

- [AWS](#) : Amazon Web services
 - Ability to Login to Console
 - Basic understanding of what is AWS
 - [S3 Usage](#)