Adapt Authoring Tool

User stories

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Contents

Definitions

This document uses the MoSCoW rating system to signify the priority of each user story. You will notice the following letters beside each story::

- **M**: Must build
- **S**: Should build
- **C**: Could build
- **W**: Won't build

Where **must build** represents what is required for the MVP release, **should build** represents 'stretch goal' stories, and **could build** are optional. Any stories marked **won't build** will be ignored.

User personas

Below is a list of user personas which are referenced throughout this document. These personas aim to encapsulate the most common users of the Adapt authoring tool application.

Jo

Jo is a Learning Designer at Kool-learn Inc. Jo is concerned with designing and building great Elearning with a focus on the *content* and the *learner*. Jo doesn't care one jot about the technical specifics of the tools and frameworks under the hood, she wants to be able to get her courses up and running with as little fiddling and twiddling of the options as possible.

Sue

Sue is the Senior Learning Overlord at Many Moneybags Corp. (MMC) - a client of Kool-learn Inc. Sue takes a keen interest in how her projects are coming along and, being a bit of a control freak, likes to check in on progress whenever she feels the urge (even occasionally by the pool sipping a Cosmo on one of her 3 annual holidays to the Bahamas). Sue is also very busy and important, and prefers to get in, do the job and get out in as little time as possible (and so help you if she can't complete the task as quickly as she wanted).

Max

Max is a project manager at Kool-learn Inc. Being the bossy eldest of 5 siblings, Max is a born leader, and delights in telling others what to do. Although Max doesn't directly contribute to production, he obviously has an avid interest in projects as they develop, so checks in on progress regularly and must liaise with the client to this end. Max is also responsible for the user accounts in the system, which plays nicely into his God-complex. As a nosey so-and-so, Max is also fascinated in usage data and analytics (especially if it makes him look better in front of The Board).

Bob

Bob is a full-stack programmer at Kool-learn Inc. Bob's job is to customise applications to better fit with his client's needs so he appreciates friendly, well documented APIs (and particularly those that reduce how much code he has to write).

Alice

Alice is a senior programmer who graciously gives some of her free time to the Adapt open-source project. She is a huge advocate for open-source software, and a stickler for good quality, readable and bug free code.

Ron

Ron is a systems administrator at Kool-learn Inc. Ron's job is to keep the application running, no matter how many booby traps (bugs) are left by Alice and Bob. Ron is a blackbelt in Windows and Linux environments, and has built many of his own tools to help him out. For this reason, nothing annoys Ron more than supporting a new, completely proprietary system that refuses to comply with industry standards and conventions, and offers no (nicely documented) APIs for him to play with.

Assets

- Jo would like to be able to upload an asset for use in her courses. **M**
- Jo would like to be able to upload a zip containing many different assets. **C**
- Jo would like to be able to search and filter stored assets by specific attributes to make it easier to find specific assets. **M**
- Jo would like to be able to update the attributes for an asset. **M**
- Jo would like to be able to replace the file for an existing asset. **S**
- Jo would like to be able to permanently delete an asset. **S**
- Jo would like to be able to catalogue assets by assigning them to folders/collections. **S**
- Jo would like to be able to select individual assets from the asset library using folders/collections for use in her courses. **M**
- Jo would like to be able to see which courses a specific asset is used in. **S**
- Jo would like to be able to lock an asset to only be used in a specific course. **C**
- Max would like to be able to view all assets which aren't used in any courses. **S**
- Jo would like to be able to upload a zip file to be treated as a single 'asset'. **S**

Auth

- Jo would like to be able to control who can access her courses so that she can collaborate with others effectively. **M**
- Jo would like to be able to give Sue temporary access to one of her courses so that it can be reviewed. **S**
- Max would like to be able to register new users in the app. **M**
- Max would like to be able to adjust the privileges of users in the app. **M**
- Max would like to be able to temporarily block specific users access to the system in case they need to be re-enabled later. **M**
- Max would like to be able to control the ownership of a users' content. **M**
- Sue requires all of her company's data to be stored securely to reduce the risk of data breaches. **M**
- Ron requires all log-in credentials to be stored securely to ensure no malicious parties can access the app in the event of a data breach. **M**
- Jo would like to be able to reset her password via email in case she forgets it, so that there is no need for Max or Ron to change it manually. **M**
- Max would like to add new content functionality (plugins) to the application so that it can be used in courses. **M**
- Max would like to be able to create groups of users in the application so that content can be shared/restricted more easily. **M**
- Ron would like to be able to allow users to authenticate with the application using the client's existing SSO mechanism. **S**
- Ron would like to be able to create sets of default permissions which can be applied to any user so that permissions don't have to be added manually. **M**
- Bob would like to be able to build a feature which is restricted to users with specific permissions. **M**

- Max would like to be able to edit which users are associated with which courses to accommodate any restructuring of projects or employees. **S**
- Jo should not be able to see tags which have been added by members of groups she doesn't belong to. **C**

Config

- Ron wants to be able to configure the application so that it can work on his preferred system setup. **M**
- Bob wants to be able to run different configurations depending on the application environment to help with development and debugging. **M**
- Ron wants to be given warnings if his application configuration is incorrect or invalid to avoid any runtime errors. **S**
- Bob wants to be able to use environment variables in the application so that dynamic values can be used. **S**

Content

- Jo would like to be able to view and filter all of the courses she has access to so that she can find what she is looking for more easily. **M**
- Jo would like to be able to create new courses. **M**
- Jo would like to be able to make a duplicate of an existing course. **M**
- Jo would like to be able to import an existing course for editing in the application. **M**
- Jo would like to be able to remove her courses from the application. **M**
- Jo would like to be able to modify the content in her courses. **M**
- Jo would like to be able to add functionality (content plugins) to her courses. **M**
- Jo would like to be able to view the output of her course. **M**
- Jo would like to be able to download an executable package of her course. **M**
- Bob would like to be able to export a course he has access to for debugging. **M**
- Jo would like to be able to upgrade her course to a later framework version. **W**
- Ron would like to be able to change the version of the framework used by the application. **W**
- Ron would like to be able to view the content plugins installed in the system. **M**
- Ron would like to be able to update content plugins installed in the system. **M**
- Ron would like to be able to remove plugins installed in the system. **M**
- Bob would like to be able to modify course content when it is built by the application. **S**
- Jo would like to be able to customise the styling of her course. **M**

Lang

- Ron would like to be able to provide different values for message strings based on the set language to cater for users who speak different languages. **M**

- Ron would like to be able to support multiple languages in a single application instance. **M**
- Bob would like to be able to access installed language strings via an API. **M**

Logger

- Bob would like to be able to log a message to the server console for debugging purposes. **M**
- Bob would like to be able to differentiate between the severity of different types of log messages. **M**
- Bob would like to be able to log to locations other than the server console. **C**

MongoDB

- Ron would like to be able to connect to an existing MongoDB instance. **M**
- Ron would like to be able to connect to multiple MongoDB instances. **C**
- Bob would like to be able to query documents in the DB. **M**
- Bob would like to be able to create documents in the DB. **M**
- Bob would like to be able to update documents in the DB. **M**
- Bob would like to be able to remove documents from the DB. **M**
- Bob would like to be able to access the MongoDB API. **S**

Server

- Bob would like to be able to add route handlers to the application stack. **M**
- Bob would like to be able to add middleware to the application stack. **M**
- Bob would like to be able to access the Express application in his own code. **M**

Tags

- View tags in the system. **M**
- Add new tags to the system. **M**
- Remove tags from the system. **S**
- Edit existing tags in the system. **S**

Validation

- Bob would like to be able to check incoming data conforms to what he expects. **M**
- Bob would like to be able register a new data schemas for use in the application. **M**
- Bob would like to be able to extend existing data schemas with new properties. **M**
- Bob would like to be able to override properties of existing data schemas. **M**