Adapt Learning MVP

Adapt Framework

Designer / Developer perspective

(i.e. someone creating a course using the framework without the authoring tool)

- Specification
  - Able to generate a system requirements specification from the metadata of the components used
- Assessment
  - Able to set the passmark
  - Able to set graduated feedback (number and range of feedback bands)
  - Able to use any question component as part of an assessment
  - Ability to limit assessment retakes
  - Able to inform the learner about potential data loss if they navigate away from an assessment
  - Able to set a time-limit for an assessment
  - Able to structure an assessment around subject areas / banks
  - Able to serve up questions from a bank
  - Able to control the number of questions served as part of the assessment per area
  - Able to set certain questions within an area as mandatory
  - Able to randomise the order and choice of questions
- Questionbank
  - Able to structure the content within a page by using articles
- Article
  - Able to set article into a assessment
  - Able to organise navigation into deep scrolling
  - Able to organise navigation into linear scrolling
- Blocks
  - Able to structure the content within an article by using blocks
  - Able to lock navigation until the next block dependent on block completion
- Components
  - Blank
  - Able to insert a transparent placeholder which allows learners to see the background graphic
  - Triggered component
  - Able to include any existing component as a triggered component
- Extensions
  - Able to create new extensions to enhance the Framework's functionality
  - Able to register new extensions with the framework

(Learner perspective)

(a learner using a course which has been produced using Adapt)

- Look & Feel
  - Able to view a course, which looks & feels nice and reflects a brand and design
  - Able to view a single course on multiple types of devices with different viewports
  - Able to see a course's theme
  - Able to see imagery as part of the course
  - Able to turn background imagery on/off
  - Able to see alternative text for content images used in the course
  - Able to see a course's accessibility features
  - Able to turn background imagery on/off
  - Able to set preferences to enable/disable audio playback
  - Able to set preferences to enable/disable video display
  - Able to view transcripts as part of components with an audio track
  - Able to set preferences to enable/disable video display
  - Able to view videos as part of the course
  - Able to change the course language
  - Able to change the course's text size
  - Able to view right-to-left language courses in a meaningful layout
  - Able to view the course in high contrast mode
  - Able to view the course's colour scheme
  - Able to increase the font size of text
  - Able to break long pages down into labelled chunks (blocks/zone)
  - Able to view fonts, which are not on my local computer if they have been used in the design of the course
  - Able to view the content in an available font in case a specific font is unavailable
- Navigation / tools
  - Able to view a navigation menu
  - Able to navigate to a page
  - Able to close the tools menu
  - Able to navigate up a level / to the menu
  - Able to navigate up a level / to the menu
  - Able to access the learner support features
  - Able to search the component metadata within the course
  - Able to access the resources feature
  - Able to filter the resources feature by type
  - Able to track / view the failed questions in an assessment
  - Able to access a glossary of terms as part of the course
  - Able to filter the glossary by letter
  - Able to search the glossary for a specific term
- Page
  - Able to view a page
  - Able to view persistent navigation on a page
  - Able to see page level progress
  - Able to view completion of individual components
  - Able to navigate directly to specific components on a page
- Article
  - Able to open the tools menu
  - Able to receive alerts when navigating away from an incomplete page
  - Able to view the title and body of an article
  - Able to navigate an article in blocks/zone mode
  - Able to navigate an assessment article
  - Able to be informed of data loss if leaving an assessment article prior to completing the assessment
- Blocks
  - Able to view the title and body of a block
  - Able to see the components which contain the content in a meaningful order
- Components
  - Able to view the content associated to a component in a suitable format according to different device types
  - Able to reveal a component by selecting an icon positioned within a block
  - Able to close a triggered component
- Components (presentation types)
  - Able to read textual content
  - Able to view a content graphic
  - Able to interact with a graphic by selecting hot areas and revealing associated text and imagery
  - Able to interact with a narrative to reveal a sequence of imagery and text typically used to tell a story
  - Able to interact with an accordion by selecting a sequence of headings, which reveal textual content
- Components (questions)
  - Able to interact with a multiple-choice question with a single correct option
  - Able to interact with a multiple-choice question with multiple correct options
  - Able to interact with a graphical multiple-choice question
  - Able to interact with a text input question
  - Able to interact with a matching question by selecting answers from one or more drop-down lists
  - Able to receive correct/partially correct/incorrect feedback for all question types via the tutor feature
  - Able to receive option specific feedback for all question types via the tutor feature
- Assessment
  - Able to sit an assessment as part of the course
  - Able to get question level feedback
  - Able to re-take the assessment
  - Able to receive an outcome of an assessment as part of the session on a result screen
  - Able to receive feedback dependant on the outcome/score attained
  - Able to be signposted to specific components which I may need to review based on the outcome of the assessment
- Tracking
  - Able to save progress automatically (if delivered via an LMS)
  - Able to be informed when tracking errors occur and progress tracking is no longer possible
  - Able to leave the course and continue in a subsequent session and find the course in the state in which I left it
  - Able to be returned to the last page visited
  - Able to see my progress through the course
  - Able to see the list of complete and incomplete elements on a page

Authoring Tool

(Authoring tool user perspective)

(i.e. someone creating a course using the authoring tool)

- Super Administrator
  - ..... ***Installation***
    - Able to run a minimal interaction system installation
  - ..... ***Tenancy management***
    - Able to CRUD tenancies.
    - Able to manage cross-tenancy user access
  - ..... ***APIs***
    - Able to enable/disable APIs / API plug-ins.
    - Able to add new plug-in webservice APIs.
    - Able to remove added plug-in webservice APIs.
  - ..... ***Quotas***
    - Able to set number of users quota for tenancies
    - Able to set and change number of courses/projects quota for tenancies
    - Able to set file storage limit quotas for tenancies
    - Able to set and change bandwidth limit quotas for tenancies
    - Able to run usage reports on quote usage for tenancies
  - ..... ***Policies***
    - Able to set and change file upload limits
    - Able to define user creation options for tenancies
    - Able to define system role creation options for tenancies
    - Able to define plug-in management options for tenancies.
  - ..... ***Backup***
    - Able to configure automatic system backup
  - ..... ***Plug-in management***
    - Able to install/uninstall plug-ins.
    - Able to install/uninstall authoring tool themes
    - Able to install/uninstall language packs
    - Able to upgrade the Adapt authoring tool / Adapt Framework
    - Able to create import processing plugins (e.g. import from old Learning Pool tool format)
    - Able to validate an installed plug-in
    - Able to run a system health check
    - Able to integrate with an LMS for user authentication/authorisation via a webservice API
    - Able to run a report that tells me what plugins/components are installed on the system
- All users
  - ..... ***Way of working***
    - Able to author online without downloading any files
    - Able to see a dynamic landing page that shows me navigation options based upon my role and capabilities
    - Able to use wizards to help guide me through the system
    - Able to have context sensitive help available throughout the system
  - ..... ***Login***
    - Able to login to the system using an id and password
    - Able to change my password
    - Able to reset my password securely.
  - ..... ***System roles / My work***
    - Able to hold multiple roles across multiple tenancies
    - Able to get an overview of the roles held across tenancies in the system
    - Able to view a dashboard of courses/projects I work on and see the status for each project
    - Able to get an overview of activity and tasks on courses/projects I work on
    - Able to see a history of projects worked on
  - ..... ***Profile***
    - Able to set and change my personal details
    - Able to set and change my email address
    - Able to set and change an avatar image
    - Able to set the timezone
    - Able to set the language
    - Able to set the email format (HTML/plain)
    - Able to set appearance preferences
    - Able to toggle/configure profile visibility
  - ..... ***Collaboration***
    - Able to invite collaborators to projects I own (or have sufficient permissions to)
    - Able to see all collaborators on a course/project
    - Able to remove collaborators from a project I own (or have sufficient permissions to)
    - Able to determine the editing rights for collaborators of courses/projects I own (or have sufficient permissions to)
    - Able to leave a course/project
    - Able to exchange messages with other collaborators at course/project level (e.g. course/project wall)
    - Able to request review/sign-off from collaborators on projects I own (or have sufficient permissions to)
    - Able to accept/reject tracked changes on projects I own (or have sufficient permissions to)
    - Able to share guest access (for non-system users) for review on projects I own (or have sufficient permissions to)
- Tenancy Administrator
  - ..... ***Tenancy Configuration***
    - Able to change the authoring tool theme
    - Able to CRUD system roles from capabilities in the scope of a tenancy
    - Able to assign/unassign tenancy-scope system roles to users within the tenancy
    - Able to set and change default values for courses/projects
    - Able to CRUD users within the tenancy
    - Able to view system logs (users actions) within the scope of a tenancy
    - Able to manage course/project ownership.
    - Able to freeze/lock/unlock a course/projects to prevent/enable changes
    - Able to set apply policy values for the tenancy within the range determined by the super administrator
    - Able to see a scope dashboard against quotas (users, courses/projects, file storage, bandwidth used etc).
    - Able to choose which installed language pack plug-ins to make available to the tenancy users
    - Able to choose which installed component plug-ins to make available to the tenancy users
    - Able to choose which installed extension plug-ins to make available to the tenancy users
    - Able to choose which installed publishing options to make available to the tenancy users
    - Able to turn versioning on/off
    - Able to configure system notification behaviour
    - Able to enable/disable workflow stages and steps
    - Able to determine the contents of the L&D Manager dashboard
    - Able to turn guest user access to the tenancy on/off
    - Able to turn the ability to make tracked changes during reviews on/off
    - Able to determine whether collaboration invites can be sent to system users only or also to external users
    - Able to configure plug-ins for the scope of the tenancy and per project.
    - Able to manage the scope assignments of re-usable items within the asset management realm
    - Able to set the password policy.
    - Able to set the account expiry policy.
- Content Creator
  - Look and feel
    - ..... ***Themes***
      - Able to choose a standard theme from a range of options
      - Able to choose a custom theme
    - ..... ***Styles***
      - Able to modify basic theme colour settings
      - Able to modify high-level padding and spacing settings
      - Able to set standard font face for the course
      - Able to set the standard font size for the course
      - Able to embed / package specific fonts / character sets / symbols
      - Able to define alternative, fall-back fonts
    - ..... ***Background images***
      - Able to choose background image for the entire course
      - Able to choose background images for menus
      - Able to choose background images for pages
      - Able to choose background images for articles
    - ..... ***Language / display options***
      - Able to set the language for a course
      - Able to define the alternative, high-contrast look & feel
      - Able to set the display layout to rights-to-left (RTL)
  - Asset management
    - ..... ***Browsing the library***
      - Able to browse all stored assets that my role/capabilities allow
      - Able to search assets based on metadata
      - Able to manage the scope of access for snippets and courses / projects shared
      - Able to set access level to 'myself only'
      - Able to set access level to 'this course only'
      - Able to set access level to 'my organisation'
      - Able to set access level to 'public (i.e. everyone who uses the system)'
    - ..... ***Background images***
      - Able to upload background images
      - Able to change (re-upload) background images
      - Able to see which courses would need to be republished for background image changes to be reflected
      - Able to delete background images
      - Able to add metadata to background images
      - Able to organise background images into categories
      - Able to search background images based on metadata
      - Able to report on usage of background images
    - ..... ***Themes***
      - Able to upload themes
      - Able to change (re-upload) themes
      - Able to see which courses would need to be republished for theme changes to be reflected
      - Able to delete themes
      - Able to add metadata to themes
      - Able to organise themes into categories
      - Able to search themes based on metadata
      - Able to report on usage of themes
    - ..... ***Content images***
      - Able to upload content images
      - Able to change (re-upload) content images
      - Able to see which courses would need to be republished for content image changes to be reflected
      - Able to delete content images
      - Able to add metadata to content images
      - Able to organise content images into categories
      - Able to search content images based on metadata
      - Able to report on usage of content images
    - ..... ***Templates / snippets (pages, articles, blocks and components)***
      - Able to browse all re-usable snippets
      - Able to add re-usable snippets to categories
      - Able to remove re-usable snippets from categories
      - Able to delete re-usable snippets
    - ..... ***Central course/project library***
      - Able to preview visible courses
      - Able to request permission to clone
      - Able to grant / reject permission to clone
      - Able to provide terms and conditions and request signature
      - Able to clone a course / project from the central library into the user's tenancy (open in my tool)
      - Able to plug in an e-commerce gateway
    - ..... ***Categories***
      - Able to CRUD categories.
      - Able to CRUD subcategories at any level
    - ..... ***Courses/projects***
      - Able to CRUD courses
      - Able to assign courses to categories
      - Able to remove courses from categories.
      - Able to view the status and details of a course
      - Able to set the status and workflow stage
      - Able to copy a course (duplicating)
      - Able to create a new version of a course
      - Able to roll back to a previous version of a course
      - Able to shelve/unshelve
      - Able to lock a course (i.e. allow/prevent pro-active access for non-collaborators)
      - Able to archive a course (store latest version in compressed format without history / users)
      - Able to export a course
      - Able to import a course
      - Able to share a course in the central course/project library
    - ..... ***Metadata***
      - Able to add/remove metadata (including duration etc)
      - Able to tag courses with useful information
      - Able to filter and search for courses/projects using search terms
  - Course creation / management
  - Course structure
    - ..... ***Pages / hierarchy***
      - Able to CRUD a page
      - Able to arrange pages into a hierarchy / sequence
      - Able to move a page
      - Able to copy a page
      - Able to paste a copied page
      - Able to define a page as a re-usable snippet
      - Able to insert a re-usable page snippet
    - ..... ***Articles***
      - Able to CRUD an article
      - Able to copy an article
      - Able to cut an article
      - Able to paste a cut/copied article
      - Able to move an article (on a page / across pages)
      - Able to define an article as a re-usable snippet
      - Able to insert a re-usable article snippet
    - ..... ***Blocks***
      - Able to CRUD a block
      - Able to copy a block
      - Able to paste a copied block
      - Able to move a block between articles (on a page / across pages)
      - Able to define a block as a re-usable snippet
      - Able to insert a re-usable block snippet
    - ..... ***Components***
      - Able to CRUD a component
      - Able to pick a component from a library of components
      - Able to copy a component
      - Able to paste a copied component
      - Able to move a component (on a page / across pages)
      - Able to define a component as a re-usable snippet
      - Able to insert a re-usable component snippet
  - Navigation
    - ..... ***Menus***
      - Able to choose a generic menu from a range of options
      - Able to send learners straight to content (bypass menu)
      - Able to upload a custom menu.
  - Tracking
    - ..... ***Tracking set-up***
      - Able to configure what constitutes course completion
      - Able to choose tracking standard SCORM / Tin Can
      - Able to choose 'no tracking' option
      - Able to toggle and configure the 'connection lost' message
      - Able to toggle bookmarking (returning users to the location from where they exited the last session)
      - Able to toggle progress display on/off
  - Data entry / editing
    - ..... ***Way of working***
      - Able to build content quickly without advanced technical expertise
      - Able to see only the necessary data entry fields by default
      - Able to undo changes immediately in the project
      - Able to immediately preview my changes on multiple devices
      - Able to freeze/lock/unlock a content item to prevent changes
      - Able to resume editing a course from the same point (component, block) that I was a when I last saved and closed it
      - Able to edit inline whilst previewing output
    - ..... ***Text content***
      - Able to add textual content with basic formatting.
    - ..... ***Images***
      - Able to add content images to relevant components
      - Able to add alternative text to content images
      - Able to upload multiple version of a graphic for use in different contexts
      - Able to resize images.
      - Able to crop images
      - Able to compress images
    - ..... ***Media files***
      - Able to add audio files to relevant components
      - Able to add transcripts for components which have an audio track
      - Able to add a video files to relevant components
      - Able to embed Captivate files
    - ..... ***Configuration options***
      - Able to set the configuration options to determine component behaviour (where applicable)
    - ..... ***Languages, device-specific alternatives***
      - Able to add alternative language text content to a course
      - Able to add alternative audio/video/images to the course
      - Able to provide device-specific content alternatives
  - Learner support
    - Able to add/remove file resources.
    - Able to add/remove the glossary of terms
    - Able to CRUD glossary terms and explanations.
    - Able to include/turn off the search feature
  - Overrides
    - Able to add a ZIP archive, which will be extracted as part of the publishing process and override core Adapt code files
    - Able to remove the ZIP archive
  - Assessment
    - ..... ***Assessment configuration***
      - Able to turn an article into an assessment
      - Able to remove assessment elements from an article
      - Able to set the passmark
      - Able to set which questions count towards the assessment score
      - Able to determine whether the assessment can be re-taken
      - Able to determine navigation behaviour during the assessment
      - Able to determine assessment prerequisites / entry criteria
      - Able to provide end of assessment feedback
    - ..... ***Questionbank***
      - Able to group questions into banks around subject areas
      - Able to configure how many questions will be displayed per bank
      - Able to configure mandatory questions for each bank
      - Able to randomise the display order of questions
      - Able to randomise the order and choice of questions
      - Able to signpost to the learner which subject areas they need to revisit as part of the post assessment feedback
  - System validation
    - Able to run a system validation over my course/project content files and see a log of any system-readable errors
    - Able to run a system requirements report (e.g. browser specs) for the course based on the metadata for the components and plug-ins used
    - Able to generate a diagnostic report of my project (length, level of interactions etc)
  - Publishing
    - Able to publish a project that produces SCORM 1.2 conformant tracking
    - Able to export a course as a SCORM zip file
    - Able to publish my project as a Tin Can package
    - Able to publish the course in a non-tracking web format
    - Able to publish content in a compressed / minified format
    - Able to publish the course in an uncompressed format
    - Able to include the version / revision number in the published course for reference
    - Able to export all language-usage content in a packaged format suitable for translation agencies to work with
  - Translation
    - Able to import a translated language content package into the same course
    - Able to import a translated language content package as a new course
- Developer
  - Able to upload files to override core code
  - Able to test the effect of overrides in preview
  - Able to turn debugging of the authoring tool on / off
  - Able to publish the content uncompressed (duplicate)
  - Able to embed HTML / JavaScript in suitable places.
  - Able to pull in and test plug-ins
  - Able to see a technical log of course actions in preview mode (including tracking)
- Reviewer
  - ..... ***Issues overview***
    - Able to see a complete list of issues and comments
    - Able to search and filter list of changes/comments
    - Able to add additional detail to a comment / change
    - Able to remove a comment change
    - Able to change the status of a comment / change
    - Able to navigate to the place where the comment / change was made
    - Able to export all comments / changes to a printable format
  - ..... ***Reviewing / raising issues***
    - Able to launch content in preview mode on multiple device types
    - Able to raise issues / make comments while previewing the course
    - Able to view comments and tracked changes in context while previewing the course
    - Able to make tracked changes in the content.
    - Able to see all the textual content in sequence (not in published form)
  - ..... ***Sign-off***
    - Able to sign-off a course/project during a review cycle
  - ..... ***Notifications***
    - Able to receive notifications outside of the system as and when updates are made to issues / messages
- L&D Manager
  - Able to see a dashboard of all current projects
  - Able to see project status, level of activity, issues list and collaborators for each project
  - Able to search the catalogue of projects.
  - Able to change/override project ownership and roles
  - Able to generate a high-level system usage report against policy roles
  - Able to enter the system without having to create a system account
- Guest User
  - Able to view projects which are visible to guest users
  - Able to view projects, which have been shared with the guest user's email address
- Demonstrator / Trainer
  - Able to give clients (guest users) read-only access to view selected projects for a limited period of time
  - Able to set auto-expiry for guest accounts
  - Able to demonstrate a selected subset of content in a clean looking, branded environment (e.g. company theme)
  - Able to create temporary courses for training which are reset or removed automatically after a specified time period
  - Able to enable guest users with a subset of Content Creator permissions on selected demo courses/projects

Removed / for discussion

- Able to edit my course on my Android on the bus
- Able to create engaging content
- Able to create beautiful content
- Able to work cost effectively (achieve incredible value for money)
- Be confident that courses including core components work on a clearly defined set of device types / OSs / browsers
- Able to create/edit/publish a course without network access
- Able to make it easy to engage with SME's
- Able to construct a bespoke authoring interface that can publish to the authoring system
- In 10 years I can still read the underlying content format and create a new web 10.0 renderer
- Able to use hashtags and @
- Able to create a bespoke publishing output format based off the same file
- Able to create different areas/scopes (which are local)