Test Areas

- Test Areas
- Web UI
  - Admin UI
  - Miscellaneous UI
  - Submission UI
  - Submission workflow
  - Authentication
  - Search and browse
- Other functionality
  - OAI-PMH
  - Batch import/export
  - Media Filters
  - E-mail
  - Statistical reports
  - Checksum checker
- Installation, Updating, Deployment
- Under the bonnet/hood
  - Database platforms
  - Bitstream storage
  - Handle Server
  - Authorisation
  - Content API
  - Packagers, crosswalks

Test Areas

Web UI

- Accuracy and completeness of online help
- Admin UI
  - Create new community
  - Create new sub-community
  - Create new collection
  - Create new e-people, groups
  - Edit items
  - Withdraw and reinstate items
  - Expunge items
  - Edit metadata registry (new DC fields, new schemas)
  - Edit bitstream format registry
  - Abort a workflow via admin UI
  - Authorisation (see Authorisation below)
  - Edit news on front page
  - Supervisors
- Miscellaneous UI
  - Configure metadata fields to appear in simple item display
    - Default (\texttt{webui.itemdisplay.default = ...})
    - Per-collection (\texttt{webui.itemdisplay.style = ...} and \texttt{webui.itemdisplay.style.collections = ...})
  - HTML documents (see also: Submission UI)
  - RSS Feeds
  - Translations
  - My DSpace
  - View subscriptions (see also E-mail below)
  - View accepted submissions
  - Edit profile
  - OpenURL links
- Submission UI
  - Creative commons licences
  - Switched on and off
  - Try using HTTP proxy via `http.proxy.host/port`
  - Single file
  - Multiple files
  - Upload HTML document (multiple files with primary bitstream)
    - Configure `input-forms.xml`
  - Recognised formats
  - Unrecognised format
  - Checksum verification
  - Licences (site default, per-collection)
- Submission workflow
  - Collections with no workflow steps, or a combination
• For each workflow step, test editing metadata
• Test accept and reject
• Controlled vocabulary

Authentication
under UI for now, since it's the only place it's currently used
• Log in with simple username/password
• Register a new account
• Forgot password (see also: E-mail)
• LDAP server
• Shibboleth
• X509 certificate
• Logging out

Search and browse
• Configure columns in item lists (search results etc) using ‘webui.itemlist.columns’ in ‘dspace.cfg’
• Browse communities and collections
• Browse titles, authors, subjects, by date
• With scope ‘All of DSpace’, in a community, in a sub-community, in a collection
  Configure date, author, title, subject by using ‘webui.browse.index.’ properties in ‘dspace.cfg’
• Try configuring a different analyzer (e.g. for Chinese)
• Basic and advanced search
  Configure search fields ('search.index', in 'dspace.cfg')

Other functionality

OAI-PMH
• Validate using http://re.cs.uct.ac.za/ repository Explorer
• Extract METS, DIDL; ensure valid XML

Batch import/export
• Test import and export

Media Filters
• Thumbnail generation
• Full-text extraction and indexing
• Configure to support different bitstream formats

E-mail
• Configure an SMTP server that needs authentication, try sending mail (e.g. 'forgot password' mail)
• Send feedback using link in footer
• Get error alerts
• Test subscriptions ('subs-daily')

Statistical reports
TODO

Checksum checker
TODO

Installation, Updating, Deployment
• Test fresh install
• Test update from 1.3.2 with existing data + configuration
• Update customised/modified DSpace, find 'gotchas'
• See also Handle Server

Under the bonnet/hood

Database platforms
• Test fresh install, 1.3.2 -> 1.4 upgrade
• On PostgreSQL
• On Oracle (version numbers?)

Bitstream storage
• Multiple asset stores

Handle Server
• Install/update and test a 'live' Handle Server (connect to global)

Authorisation
• Default permissions (on submission)
• Remove read access, check access not possible (on bitstreams)
• Check unauthorised users cannot access admin UI, edit community/collection/item screens, submit
Content API

TODO

Packagers, crosswalks

- Need feedback on API

TODO