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
  - Statistics (see statistics below)

- Miscellaneous UI
  - Configure metadata fields to appear in simple item display
  - Default (`webui.itemdisplay.default = ...`)
  - Per-collection (`webui.itemdisplay.style = ...` and `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
- Grown 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](http://re.cs.uct.ac.za/)
- 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