# High Level test plan and QA time estimates for Sparkweave products (excluding Mobile apps)

*Note: Time estimates are assuming single QA resource working on manual testing (regression & functional testing only, NO performance testing included) and some percentage of automation 8 hours a day.*

1. **Web Interface**

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| **Module name/Type of testing** | **Module Details** | **Time Estimate** |
| Basic email sending and receiving | Includes functionality on compose, drafts, forward, outbox, sent items, and inbox pages , delivery notifications | 80% of this module has been automated. The automated scripts take about 3-4 hours to run.  Remaining modules need around 2 hours of manual testing. |
| Branding | Creating brands, customize existing brands, update brands, and make brands active. | 10% has been automated  Remaining manual testing- 1 day |
| Sharing | Inviting users, banning, kicking out collaborators, transfer ownership, manage shared folder contents, and manage mount points, unsharing folders. | Manual testing – 1 week |
| LDAP | Manual and auto syncs , testing ldap user permissions & end-user functionality | 30% automation done  Remaining manual testing- 4 hours |
| User Onboarding | Personalized & generic | Manual testing- 4 hours |
| Other admin interface functionality | Relay settings, licensing, templates, graphs and logs, date time and network settings | Manual testing- 1 hour |
| File cabinets | Sync cabinet and attachments | Manual Testing- 2 days |
| Compatibility testing | Test against compatible browsers/OS | Manual testing- 2 days |
| Unicode testing | All fields in the entire product need to be tested with Unicode characters as input | Manual testing- 2 days |
| Negative Testing | Testing for error messages when compulsory fields left blank/ invalid data entered. | Manual Testing- 2 days |
|  |  | **Total= ~15 days** |

1. **Outlook add-in**

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| **Module name/ Type of testing** | **Module details** | **Time Estimate** |
| Installation testing | Install/uninstall on all compatible OS and 32/64 bit Outlook versions on both Outlook 2007 and 2010 | 1 days |
| Compatibility Testing | Test all basic functionality on all compatible OS and 32/64 bit Outlook versions on both Outlook 2007 and 2010 | 2 days |
| User Permissions | Testing to make sure that all business rules are in place for LFT and secure emails | 2 days |
| GUI testing | Testing that all Sparkweave GUI options and checkboxes are functioning as expected | 2 hours |
| User Onboarding | Generic and personalized onboarding via secure and LFT emails | 1 day |
| LFT & Secure email testing | Basic LFT and secure email sending , receiving and viewing | 1 day |
| Inbox, sent items, drafts , outbox etc. | Making sure that no duplicate email copies exist and that their content is intact. | 2 hours |
| Delivery notifications | Checking/unchecking delivery notification on web interface and in the outlook plugin | 2 hours |
| Send time options | Checking/unchecking show send time options on the main window and compose window | 1 day |
| Sending email with different content formats | Html, RTF formats | 2 hours |
| Email signatures | Signatures with different image formats and fonts | 2 hours |
| Interaction with other Microsoft products | PowerPoint, Word, Access etc. | 1 day |
| Reply, forward, reply to all functionality | Basic reply/ fwd functionality | 2 hours |
| Related web interface functionality, http/https testing | Emails sent from Outlook should accurate data on the web interface too | 4 hours |
| Different types of users using Outlook | Test basic functionality for LDAP and non-LDAP users | 1 hour |
| Testing different attachment sizes | Making sure Exchange limitations are bypassed | 2 days |
| Using Outlook items as attachments |  | 1 hour |
| Unicode Testing | Sending /receiving/ downloading attachments with Unicode names | 1 hour |
| Negative Testing | Test for appropriate error messages when business rules are not followed etc. | 2 hours |
|  |  | **Total= ~14 days** |

1. **Syncweave**

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| **Module name/ Type of Testing** | **Module Details** | **Time Estimates** |
| Installation testing | Install/uninstall on all compatible OS | 1 day |
| Compatibility Testing | Test all basic functionality on all compatible OS | 2 days |
| GUI testing | Testing that all Sparkweave GUI options and checkboxes are functioning as expected | 2 hours |
| Pulling files from server | Creating, modifying, copying, deleting, moving files on the server and check their respective clients for changes | 2 days |
| Pushing files to server | Creating, modifying, copying, deleting, moving files on the client and check the server side. | 2 days |
| Concurrency testing | Test that conflicting actions with shared folders and synced devices don’t create unexpected results | 1 day |
| Log report | Log report format and error messages appear correctly | 2 hours |
| Sharing | Testing all of the web interface sharing functionality and test for appropriate syncweave changes and vice-versa | 1 week |
| Interactions with Microsoft products | Saving from excel, ppt etc. | 2 hours |
| Unicode testing | Sync using files with Unicode names | 2 hours |
| http/https testing | Switch between http/https options on web interface and Syncweave | 2 hours |
|  |  | **Total= ~15 days** |
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**Total time required to test all three products= ~45 days**