

Quality Assurance

At the UDS core team there is no dedicated QA person. Our developers & designers cross QA each other work. Every feature being released into production undergoes thorough testing and review of the code, thus ensuring the product and any changes made to it, meets the required quality standards while also minimizing release issues and customer defects.

Testing process overview

Each feature being worked on may differ in terms of the type and kind of testing required.

Typically UDS stories are categorized under:

- Feature development
- Bug fixes
- Engineering
- Documentation.

Feature development can include anything from creating new component, variant or adding a new functionality to an existing component. It is logical to assume that the testing process itself will be very specific to what kind of feature is being developed. Since components are what gets directly consumed by our customers, our QA process described below mostly revolves around it.

PR review

Since UDS focuses on a component's visual design and functionality, each feature is reviewed and tested by a designer as well as a developer. When a feature is complete and a PR is created and ready for review, the person reviewing and testing may need to clone, fetch and checkout to the feature branch locally, build, and perform testing of the feature, which includes:

- Requirements testing
- Manual feature testing
- Smoke regression testing

The tests are performed in storybook react and/or react native based on the platform targeted for the feature. Conformance to design is ensured by validating the visual aspects (e.g. color, font etc.), interactions and responsiveness. If there are general bugs related to the user story it is commented on the PR so the developer can action on it. If there are general bugs which are not be related to the user story and is outside the scope of the ticket it is treated as a new issue and added to the backlog.

In addition to this, the reviewer also confirms that:

- if the component is properly tested for accessibility.
- if the component has unit teste coverage.
- if the component and variants are documented, available on the documentation site for all platforms and brands.
- if all the interactions and variants are showcased on storybook web and/or mobile and the documentation site.

INFO

At present, UDS does not have visual testing or end-to-end testing in place.

Pre-release

Integration testing is performed prior to a release by manually smoke testing all the components in Storybook and verifying the documentation site before creating a new release. A developer resposible for the release has to checkout to main branch locally and perform these tests.

Post-release

Post-release QA is performed after a release is published and the new versions of packages are available in the npm registry. This can be done by creating a new WASK application based on the latest version of the packages.

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