T12021 Product Roadmap

# Current State

The current ASDE8 web application is not ready for public release. The is some more work required to ensure the questions are complete and that the scoring engine is tested thoroughly after the separation of front and back ends last trimester. Work is also required to ratify the gaps highlighted in the UX review also conducted last trimester.

# Planned State

By the end of this Trimester, we are planning to have the application in a minimum viable state such that it either has been, or will be able to be hosted and deployed to the public for general use.

# Roadmap

There are five (5) streams of work that need to be completed concurrently to achieve the planned state with the twelve (12) weeks that is scheduled. The Trello board roadmap is aligned, and the tags have been referenced here for alignment and clarity.

The main product goal is to focus on maturing the application to be ready for deployment. Please note the Admin tasks are not included in the Product Roadmap.

## Quality Assurance

**QA-1** Complete Testing prior to release. There has been some major changes to backend scoring logic (stored in db) and this needs to be thoroughly tested.

ASD-37 Implement security fixes detected from security audits (1)

ASD-40 Test the API separation (2)

ASD-81 Update testing scripts 1 (0) (DONE)

ASD-82 Deliver testing data 1 (0) (DONE)

ASD-90 Investigate Selenium for web application testing (1)

ASD-94 Penetration testing, including automated security scans (1)

ASD-101 Update testing scripts Part2 (1)

ASD-102 Deliver testing data 2 (1)

ASD-97 Test 'Back' button for the 8 mitigation strategies (2)

ASD-98 Test the 'Get Started' questionnaire (2)

ASD-99 Test across main web-browsers (2)

ASD-100 User acceptance testing on the UI changes (3)

ASD-103 Test all site links and navigation. (3)

ASD-120 Develop a scoring plan to confirm scoring equations for every question and develop score feedback text (1)

PROCESS-1 Review development processes in investigate better ways to develop.

## Frontend Development

**FEATURE-1** Develop Admin portal inc add/modify questions / scoring to admin portal. There is a need for an admin portal to manage the supporting functions.

ASD-42 Identify improvements for Admin portal authentication (0)

ASD-84 Refactor ReactJS code for easier readability and collaboration. (0) (DONE)

ASD-104 Wireframe Admin Portal UI including UserMgmt, Questionaire History, Login History, View FeedBack, rudimentary Stats report (0)

ASD-117 Develop Home Page UX Changes (1)

ASD-105 Develop Admin Portal UI and navigation framework (1)

ASD-80 Admin Portal authentication handling (1)

ASD-107 Develop CRUD Questionnaire Page (1)

ASD-108 Develop Admin Portal Login History (1)

ASD-95 Deployment front and backend to cloud provider (1)

ASD-119 Develop Questionnaire UXChanges (2)

ASD-106 Develop Admin Portal User Management Page (2)

ASD-109 Develop Admin Portal Feedback Page (2)

ASD-114 Develop MVP Stats Report (2)

BUGFIXES & OTHER

ASD-85 Front and Backend Bug (0)

ASD-84 Refactor ReactJS code for easier readability and collaboration. (0) DONE

## Backend Development

**FEATURE-1** Develop Admin Portal (Backend work).

**SEC-1** Implement API security model. Required to protect the new apis.

ASD-80 Admin Portal authentication handling (1)

ASD-91 Fix errors in implementation of maturity logic (1)

ASD-111 Develop Questionaire CRUD API (1)

ASD-110 Develop UserManagement API (1)

ASD-112 Develop Login History API (2)

ASD-113 Develop FeedBack API (2)

ASD-115 Develop Stats report API (2)

## Product Development

**PROD-1** Revise UX learnings to develop backlog tasks. There is gap in UX that has been identified that needs work prior to deployment.

ASD-88 Identify and schedule initial tasks from UX review (0)

ASD-116 Wireframe UX improvements (0)

**PROD-2** Continue UX review process. There was an initial review and follow ups with real users is required.

ASD-89 Phase Two of UX review process (1)

**DATA-1** Investigate user profile / response storage plan options. This will become its own stream once a data science layer is added to results for research purposes.

ASD-87 (DATA-1) Collaborate with Damien PO to ascertain data fields to progress or Data Science research component. (0)

## Infrastructure

**INF-1** Develop and Implement Deployment and hosting plan.

ASD-41 Research Hosting platform and Deployment strategy (0)

ASD-95 Deployment front and backend to cloud provider (1)

**OTHER**

ASD-70 Investigate homomorphic encryption (1)

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