



Proposal to the Office of Systems Integration (OSI)

Request for Information (RFI) #75001

For Agile Development Pre-Qualified (ADPQ) Vendor Pool

Product Roadmap and Release Plan

June 5, 2016



Strategy! Innovation! Transformation!

Revision History

Version	Date	Description of Updates	Author
DRAFT	05/19/2016	Created the DRAFT Version	xFusion
1.0	06/05/2016	Updates made for review comments	xFusion

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1 Introduction

The purpose of this document is to create a roadmap and release plan for the SafeKids application. The Roadmap includes the vision of the application, the timeline of events, the path of the application from design to implementation, as well as the high level grouping of the user stories and their iterative progression.

2 Product Vision

The vision is to create a system that allows a parent of a foster child to register in the online system, create and manage his and his child(ren) profiles, search for a foster care facility within a specific zip code, and communicate with a case worker and/or a foster parent.

In order to achieve this goal the SafeKids application will provide:

- An online registration feature for the biological/adopted parent
- Profile management for the parent and the child(ren)
- Allow the parent to search for foster care facilities within a zip code
- Connect to the HHS API to get the results for the specific zip code
- A Google map to visually represent the facility locations
- A secured Inbox to communicate with the case worker and/or the foster parent

3 Product Roadmap and Release Plan

The SafeKids roadmap and release plan consists of the to-be technical and business architecture, user stories, outputs events and timeline that provides an iterative and incremental delivery of an application that has the human user as the focus. The release of the end product has been divided into four (4) iterations. Summarized below are the contents of each iteration:

- **Iteration 1 (Sprint 0):** The first iteration includes the following:
 - Product Vision and Project Charter
 - Release planning
 - Sprint planning
 - Designing the system frontend
 - Designing the system backend
 - Designing the Microservices
- **Iteration 2 (Sprint 1):** The second iteration includes the following:
 - Development of the Graphical User Experience (GUX)
 - Development of the Minimum Viable Product (MVP)
 - Testing of the Minimally Viable Product (MVP) that includes:
 - Parent Account Creation
 - Create Parent Profile
 - Upload Parent Pictures
 - Search Facilities
 - Send Message to Case Worker
 - Send Message to Foster Parent
 - Sprint review and sprint retrospective.
- **Iteration 3 (Sprint 2):** The third iteration includes the following:
 - Development of the next product increment
 - Testing of the next increment that includes:
 - Identity Verification
 - CAPTCHA Validation
 - Create Child(ren) Profile
 - Upload Child(ren) Pictures
 - Integrate with Google Map
 - Receive email from Case Worker
 - Sprint review and sprint retrospective.
- **Iteration 4 (Sprint 3):** The fourth iteration includes the following:
 - Development of the next product increment
 - Testing of the next increment that includes:
 - Edit Parent Profile
 - Edit Child(ren) Profile
 - Upload Supporting Documents
 - Manage Inbox
 - Change Password
 - Sprint review and sprint retrospective
 - Deployment of the application to the AWS production environment

- End to end testing of the application in the AWS production environment

The following figures (Figure 3.1 – 3.5) depict the Product Roadmap and Release Planning process followed by xFusion.

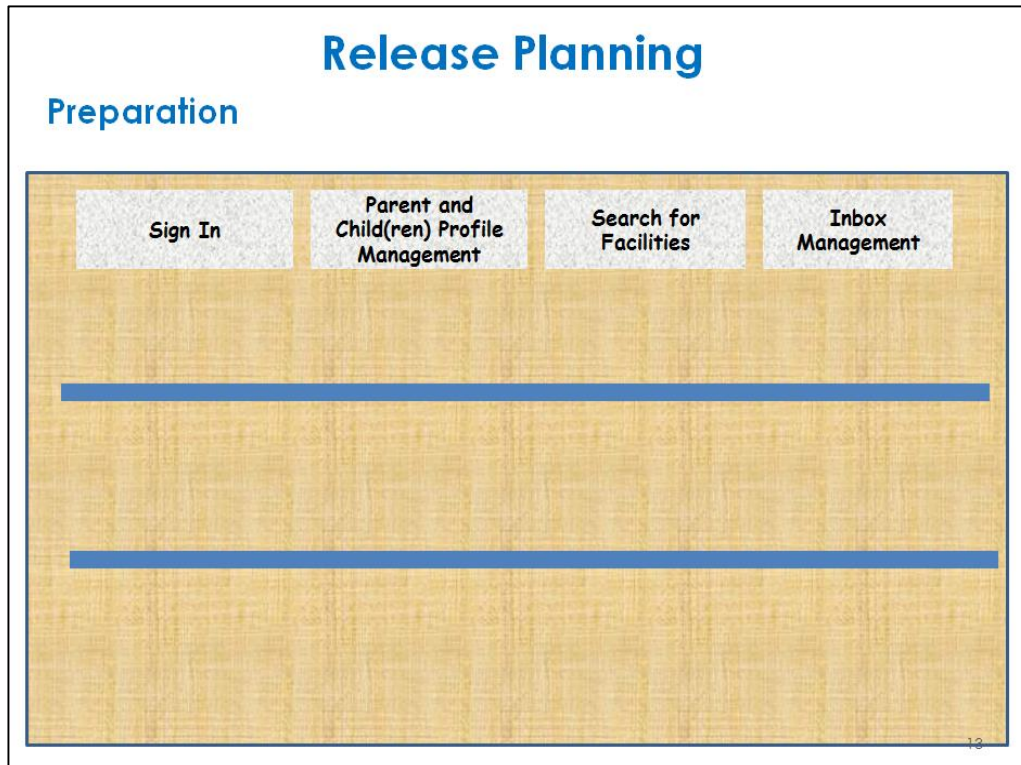


Figure 3-1: Release Planning

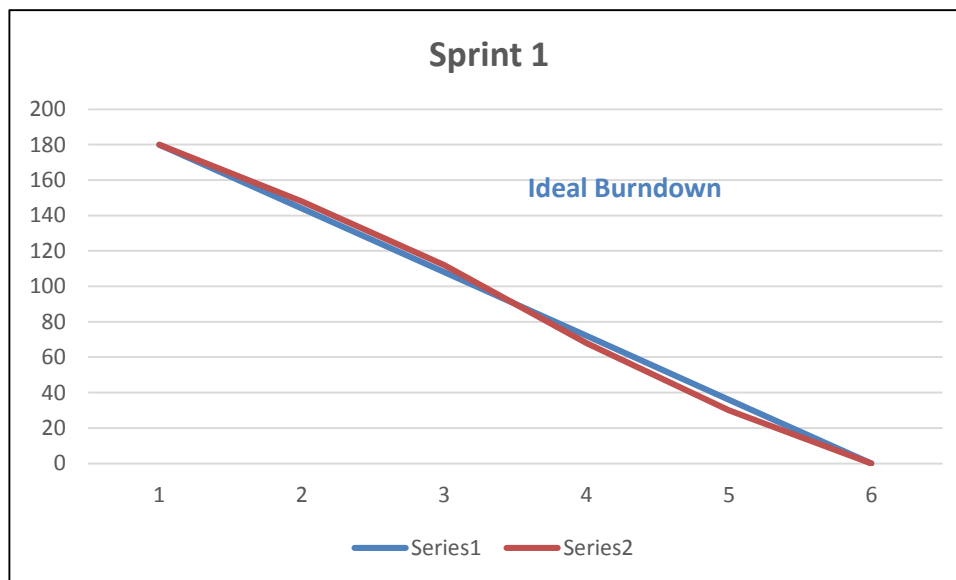


Figure 3-2: Sample Burndown Chart

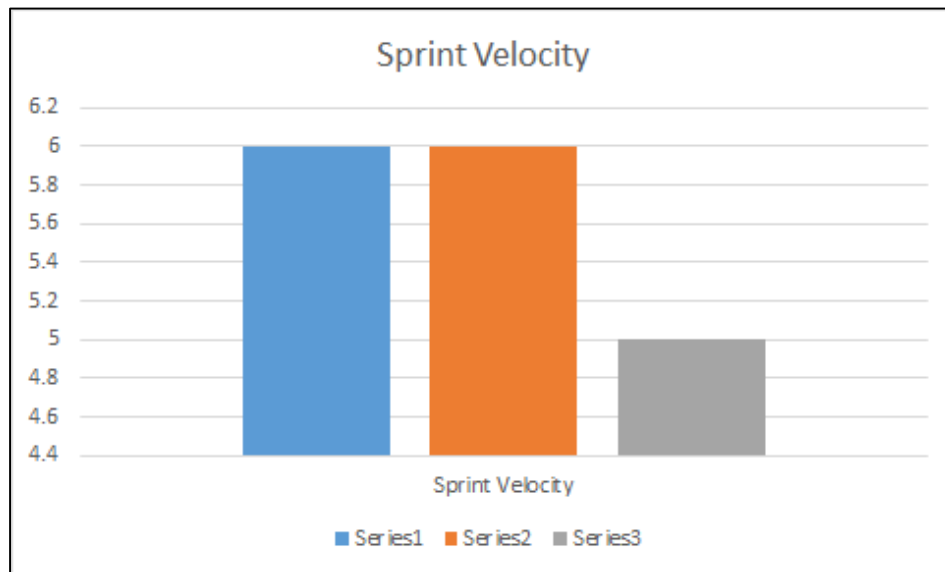


Figure 3-3: Sample Sprint Velocity Chart

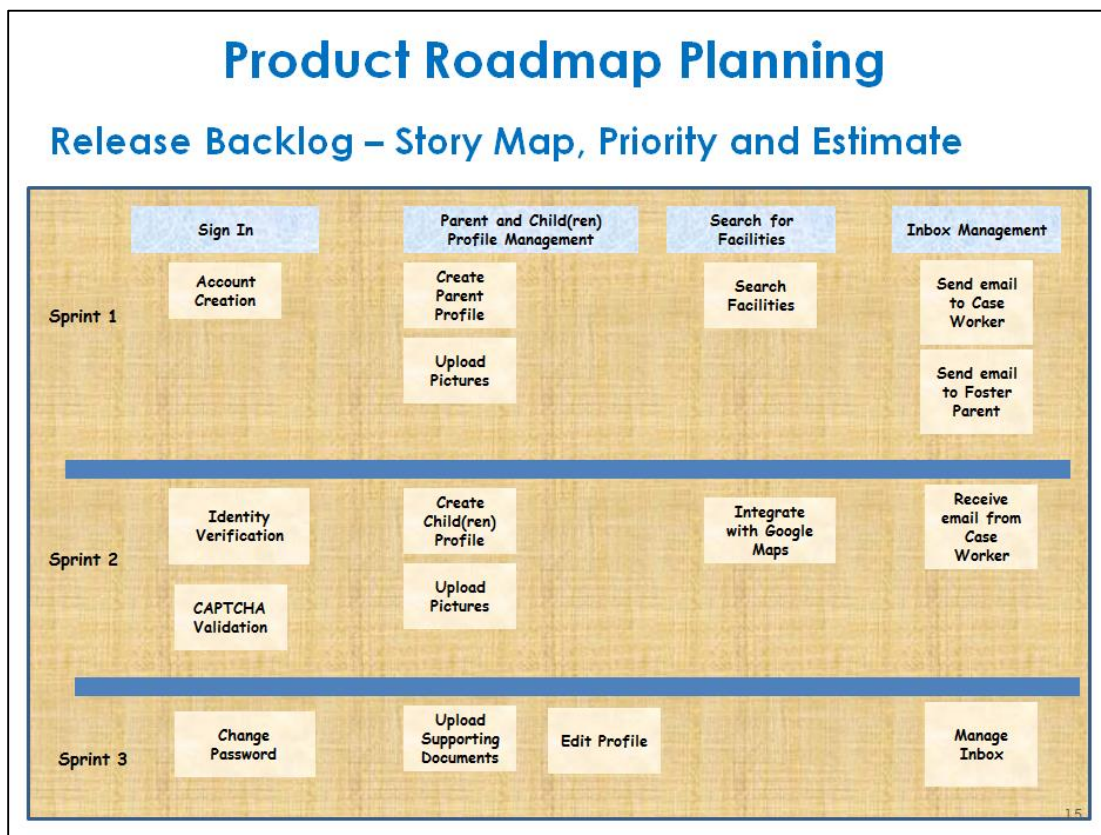


Figure 3-4: Product Roadmap Planning

Product Roadmap					
Release Planning		Sprint 1	Sprint 2	Sprint 3	Backlog
User Stories		Parent Account Creation	Identity Verification	Edit Parent Profile	Unable to Select Multiple Disability
		Create Parent Profile	CAPTCHA Validation	Edit Child(ren) Profile	Relationship is not Filtering based on the Gender
		Upload Parent Pictures	Create Child(ren) Profile	Upload Supporting Documents	Genogram is a placeholder and need to fuction
		Search Facilities	Upload Child(ren) Pictures	Manage Inbox	Forgot Password Link is not Working
Events		Send Message to Case Worker	Integrate with Google Map	Change Password	
		Send Message to Foster Parent	Receive email from Case Worker		
Outputs		Product Vision	Sprint Planning	Sprint Planning	
		Release Planning	Sprint Review	Sprint Review	
		Sprint Planning	Sprint Retrospective	Sprint Retrospective	
				Production Deployment	
		Product Roadmap	Accepted User Stories	Accepted User Stories	
		Release Plan	V1.1 - MVP	V1.2 - Working Software	
				V1.3 - Production Ready Software	

Figure 3-5: Product Roadmap and Release Plan

4 Iterative SDLC Approach

At xFusion, we practice Agile development approach extensively. Our approach includes the following:

- Continuous interaction and feedback from the stakeholders
- Working prototype based development in iterations
- Joint Application Development (JAD) sessions with users
- Sprint based release methodology

Summarized below are the steps that were performed for the design and development of the prototype:

- **Step 1:** Initiate kick-off meeting to iterate project plan, scope and collect requirements.
- **Step 2:** Sketch/Revise wireframes which is focusing on information structure, site skeleton, navigation flow and interface interaction.
- **Step 3:** Review and discuss wireframes.
- **Step 4:** Repeat step 2 & 3 until reaching the satisfactions.
- **Step 5:** Work on high-fidelity visual mockups which is focusing on style guides such as typography, color pallets and graphical assets.
- **Step 6:** Review and discuss mockups.
- **Step 7:** Repeat step 5 & 6 until reaching the satisfactions.
- **Step 8:** Translate graphical mockups to code-ready HTML/CSS templates.
- **Step 9:** Implement/Revise coding logics into templates and create prototype.
- **Step 10:** Test and debug.
- **Step 11:** Repeat step 9 & 10 until reaching the satisfactions.
- **Step 12:** Perform usability testing and collect feedback.
- **Step 13:** Repeat step 9 & 10 until reaching the satisfactions.

The following figure (Figure 4.1) depicts the iterative SDLC process followed by xFusion.

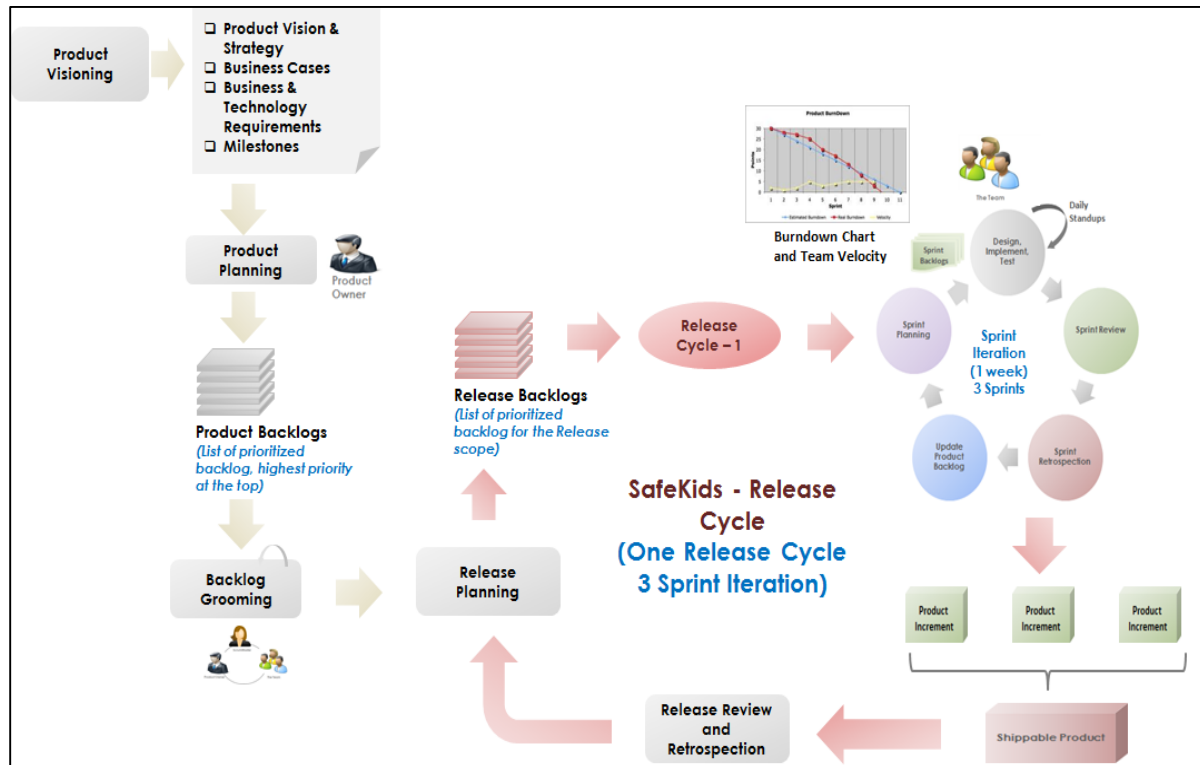


Figure 4-1: Agile SDLC Process