



Proposal to the Office of Systems Integration (OSI)

Request for Information (RFI) #75001

For Agile Development Pre-Qualified (ADPQ) Vendor Pool

Human Centered Design

June 3, 2016



Strategy! Innovation! Transformation!

Revision History

Version	Date	Description of Updates	Author
1	06/03/2016	Created the Initial Version	xFusion

Table of Contents

TABLE OF CONTENTS.....	IV
LIST OF TABLES	V
LIST OF FIGURES.....	VI
1 INTRODUCTION	1
2 TOOLS AND TECHNOLOGIES USED FOR RESPONSIVE DESIGN	2
3 RESPONSIVE DESIGN TEST APPROACH	3
4 RESPONSIVE DESIGN TESTING	4
4.1 DESKTOP COMPUTER BROWSER – MS WINDOWS OPERATING SYSTEM	4
4.2 DESKTOP COMPUTER BROWSER – MAC	6
4.3 MOBILE DEVICES – ANDROID OS.....	7
4.4 MOBILE DEVICES – IOS.....	8

List of Tables

NO TABLE OF FIGURES ENTRIES FOUND.

LIST OF FIGURES

No table of figures entries found.

1 Introduction

We adopted various responsive design tools and techniques to ensure that the SafeKids application provides an optimal user experience across a wide range of devices – from desktop computer to mobile devices.

We are using Twitter Bootstrap framework for the frontend application in addition to AngularJS and JQuery to create a Single Page Application (SPA) that provides easy reading, navigation and great user experience.

This document describes the range of devices the application tested with and example screenshots from those testing.

2 Tools and Technologies used for Responsive Design

The following tools and technologies are used for the SafeKids application for Responsive Design.

1. Twitter Bootstrap
2. AngularJS
3. JQuery
4. CSS3
5. HTML5

3 Responsive Design Test Approach

This section describes the test approach used to conduct the Responsive Design testing.

- ***Incorporate Responsive Design Testing from the UX/UI prototype Phase to the rest of the project lifecycle phases***
 - a. As described in the Human Centered Design approach (*ADPQ-SafeKids-HumanCenteredDesign.docx, Section 2*), we developed the UX/UI prototype and tested for Responsive Design on a wide range of devices.
 - b. Responsive Design Testing is performed as part of every Sprint to ensure that the developed application functionality is Responsive on a wide range of devices.
 - c. Responsive Design testing is performed as part of the User Acceptance Testing (UAT) of the SafeKids Application.
- ***Select a wide range of devices for Responsive Design testing*** – the SafeKids application was tested on a wide range of devices from Desktop Computer/OS to Mobile devices.
 - Desktop Computer Browser – MS Windows Operating System
 - Google Chrome
 - Mozilla Firefox
 - MS Internet Explorer/Edge
 - Opera
 - Safari on Windows
 - Desktop Computer Browser – MAC
 - Safari on Mac
 - Mobile Devices – Android
 - Google Chrome on Android Mobile Phone
 - Mobile Devices – iOS
 - iPhone
 - iPad
 - Mobile Devices – Microsoft

4 Responsive Design Testing

4.1 Desktop Computer Browser – MS Windows Operating System

SafeKids Application on Mozilla Firefox Browser

SafeKids.org

xfusionsafekids.org/App/index.html#main

Welcome: Sangh Nayak

SafeKids

Parent Profile | Child(ren) Profile | Facilities Locator | Message Inbox

PARENT INFORMATION

First Name: Sangh

Middle Name: Optional

Last Name: Nayak

Gender: ☒ Male ☐ Female

Social Security No: XXX XX 1111

Photo(s)

Add Photo

CONTACT INFORMATION

Firefox automatically sends some data to Mozilla so that we can improve your experience.

SafeKids Application on Google Chrome Browser

SafeKids.org

xfusionsafekids.org/App/index.html#main

Welcome: Sangh Nayak

SafeKids

Parent Profile | Child(ren) Profile | Facilities Locator | Message Inbox

PARENT INFORMATION

First Name: Sangh

Middle Name: Optional

Last Name: Nayak

Gender: ☒ Male ☐ Female

Social Security No: XXX XX 1111

Photo(s)

Add Photo

CONTACT INFORMATION

Home Phone: 111 111 1111

Home Address: 2140 Tarbolton cr

SafeKids Application on Internet Explorer/Edge Browser

SafeKids

Welcome: Sanjib Nayak

Parent Profile | Child(ren) Profile | Facilities Locator | Message Inbox

PARENT INFORMATION [Edit](#)

First Name: Sanjib
 Middle Name: Optional
 Last Name: Nayak

Gender: ☒ Male ☐ Female
 Social Security No.: XXX - XX - 1111

Photo(s)
[Add Photo](#)

CONTACT INFORMATION

Home Phone: 111 - 111 - 1111
 Home Address:

SafeKids Application on Opera Browser

SafeKids

Welcome: Sanjib Nayak

Parent Profile | Child(ren) Profile | Facilities Locator | Message Inbox

PARENT INFORMATION [Edit](#)

First Name: Sanjib
 Middle Name: Optional
 Last Name: Nayak

Gender: ☒ Male ☐ Female
 Social Security No.: XXX - XX - 1111

Photo(s)
[Add Photo](#)

SafeKids Application on Safari on Windows OS

SafeKids.org

http://sfusionsafekids.org/App/index.html#/main

Welcome: Sanjib Nayak

SafeKids

Parent Profile | Child(ren) Profile | Facilities Locator | Message Inbox


PARENT INFORMATION [Edit](#)

First Name: Gender: ☒ Male ☐ Female

Middle Name: Social Security No.: - -

Last Name:

Photo(s)



[Add Photo](#)

[View Common Section 5a Notifications](#)

4.2 Desktop Computer Browser – MAC

SafeKids.org

http://sfusionsafekids.org/App/index.html#/main

Welcome: Anish Patel

Best Time to Call: 9:00 AM - 5:00 PM

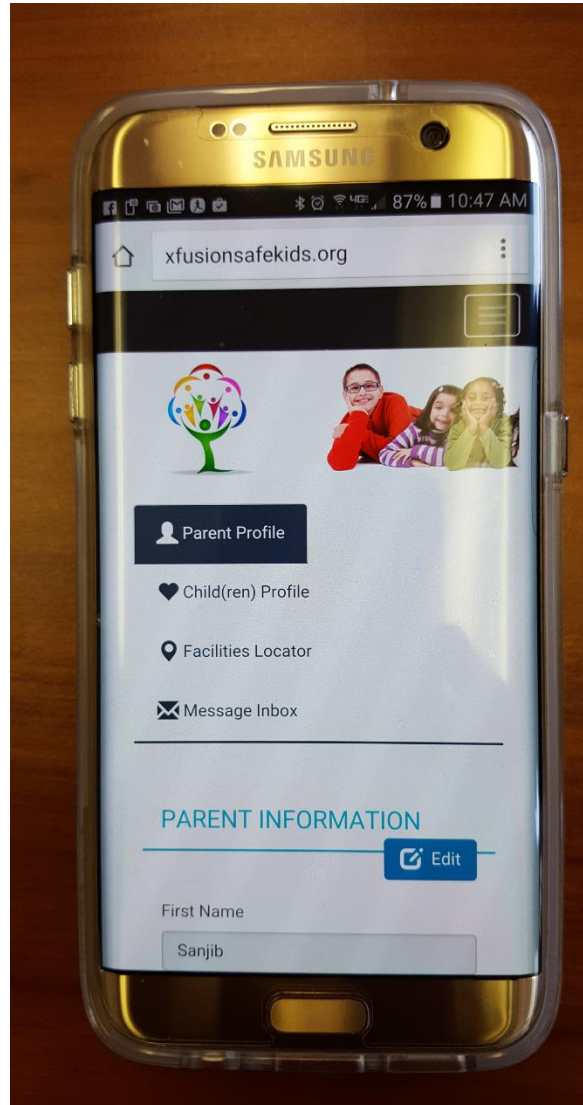
LOGIN INFORMATION

Username: Password:

[Forgot Password](#)

4.3 Mobile Devices – Android OS

SafeKids Application on Google Chrome on Android Mobile Phone



SafeKids Application on Google Chrome on Android Tablet (Samsung Galaxy Pro)

The screenshot shows the SafeKids application interface on a Samsung Galaxy Pro tablet. The form is titled 'CONTACT INFORMATION' and includes the following fields:

- Home Phone#: 916 345 5657
- Work Phone#: 916 345 5657
- Mobile Phone#: 916 345 5657
- Email: x@xfusionsafekids.org
- Best Time to Call: 7:00 AM - 8:00 AM
- Home Address:
 - Street Address 1: 123 main st
 - Street Address 2:
 - City: Sacramento
 - State: CA
 - Zip: 95833 2345
- Mailing Address:
 - ☐ Same As Above ☐ Different From Home Address

A 'LOGIN INFORMATION' section is visible at the bottom of the form.

4.4 Mobile Devices – iOS

SafeKids Application on iPhone

The screenshot shows the SafeKids application interface on an iPhone. The screen displays a mobile-optimized interface with a navigation menu and a 'PARENT INFORMATION' section.

Navigation Menu:

- Parent Profile
- Child(ren) Profile
- Facilities Locator
- Message Inbox

PARENT INFORMATION Section:

- First Name: Sanjib
- Middle Name: Optional
- Last Name:

An 'Edit' button is located next to the 'PARENT INFORMATION' header.



SafeKids Application on iPad

iPad 4:49 PM 18%

xfusionsafekids.org

How to unlock... Written Episod... Watch Online E... Google Come Gather Gi... SafeKids.org

Welcome: Sanjib Nayak

Parent Profile Child(ren) Profile Facilities Locator Message Inbox

PARENT INFORMATION [Edit](#)

First Name


Middle Name

Last Name

Gender ☒ Male ☐ Female

Social Security No. - -

Photo(s)



[Add Photo](#)

CONTACT INFORMATION