HHS - Move Data Forward Challenge

Phase 2

Mobile App

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Key activities and Resources

Key Activities

1. Project Planning
   In this activity the
2. Design Application
   In this step following key aspects of the mobile application is decided –
   - Development framework
   - Development language
   - Architecture using required O-Auth2 authentication and FHIR APIs
   - User-Interface design
   - Test plan
3. Setup Participating Test data Applications
   In this activity EMR (Electronic Medical Record) applications are to be setup for testing . in case of Pilot two sample applications Cerner and EPIC are used.
4. Develop Mobile Application
   Mobile application will be developed using AngularJS and Ionic Framework. Cordova is used to create applications for deployment to Android and IOS operating Systems
5. Test Mobile Application
   Thorough testing based on test plan will be conducted to ensure that the application has not errors.
6. Deploy Mobile Application
   Application is deployed to Android playstore and Apple Itunes for download.
7. Maintain Mobile Application
   Mobile application will be upgraded on a regular basis to fix user reported issues and to take advantage of new features of operating systems and devices.

Key resources

Following resources are required to comple

1. Project Manager - 1
2. Solution Designer - 1
3. Lead Developer - 1
4. Developers - 2
5. QA and Testing
6. Deployment Manager - 1
7. Maintenance Developers - 2

Pilot Project and budget

Pilot Project

The pilot project consists of following features –
1. Enable a user to login to his medical Record applications using O-Auth2
2. Display medical history from the medical records using FHIR API.

Budget

The pilot project was completed in 2months with a Project Manager and a Lead Developer and tester for a cost of 50,000 US Dollars.

Complete Application Development will require resources defined above for 6 months. The cost will be

1.	Project Manager – 1	60,000
2.	Solution Designer – 1	40,000
3.	Lead Developer – 1	30,000
4.	Developers – 2	50,000
5.	QA and Testing -1	25,000
6.	Deployment Manager – 1	20,000
	Total	225,000 USD
7.	Maintenance Developers – 2	@10,000 per month

There will be additional cost for Advertisement and Marketing

Timeline

	1st month	2ndt month	3rd month	4th month	5th month	6th t month
Design	Develop	Develop	Develop	Test	Deploy	