SCAMeL Speedy Startups 2018

Connecting Health Collaborators App Project

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Project Description [what is the project?]

The Gibson D. Lewis Health Science Library proposes a mobile app called Connecting Health Collaborators. This project aims to collect and verify information about available local health programming and health fairs in the North Texas area. This information will reside in a webpage using the open source platform Drupal. The website collates North Texas health information and events creating a region wide program site. Funding from this grant proposal would be allocated to create a complimentary mobile app. The app would be available on all mobile devices and leverage the data entered into the Drupal webpage using jQuery Mobile as a framework for the integration and management. The goals and objectives of the project include the following:

Objectives

Goal 1: Develop a mobile application to broaden the reach of the Connecting Health Collaborators website

Objective 1.1 Implement jQuery Mobile suite to build the application

Objective 1.2 Generate custom branding to match website

Goal 2: Improve the usability of the application

Objective 2.1 Utilize focus groups to refine the look and feel of app

Objective 2.2 Promote feedback of the app

Goal 3: Empower other local areas to create Connecting Health Collaborators resources

Objective 3.1 Document processes and share code with other NNLM resource libraries; delivery of documentation and source code through the GitHub

Objective 3.2 Present experience at conferences

Project Significance [Why is it important? What is the benefit?]

A community needs assessment informs organizations about the various health factors affecting communities, but there is currently no comprehensive resource that tells organizations about other organizations, not to mention providing communication to the health consumer. Networks of non-profits and organizations periodically come together to pool their resources, but outside these informal projects, no local and comprehensive directory exists as a mobile app. Outside of major organizations, many smaller local non-profits are missed. Questions that often arise are: "what other health fairs exist in the county?" "what additional programs can I refer my client to?" "As a community member, I don't know where to go to get social services." Information about organizations and what programs they offer is available, but it is disparate and cumbersome to find. According to a study by the Center for Nonprofit Management (2012), over 28,000 non-profits are operating in North Texas currently, with 7% focused on health services. This project seeks to create an app to facilitate access to this type of directory.

Target Audience

With the proliferation of mobile devices, a mobile app would suffice to provide the greater community and non-profits with a directory of resources and calendar of events. This app benefits health consumers and non-profits.

Institutional Capacity [what institution is involved? Who will carry out the project and what is their role?]

Gibson D. Lewis Health Science Library is the academic library for the University of North Texas Health Science Center (UNTHSC). The values of this institution have been outwardly oriented and concerned with the health and wellness of the community it calls home since its founding, as its mission is to "create solutions for a healthier community." As a resource library for the National Network of Libraries of Medicine (NNLM) since the early 1990s, Lewis Library dedicated a full-time position to serve as the Outreach Librarian to accomplish the goals of this mandate. This unique opportunity allows for dedicated time and energy to be spent on supporting outreach projects, generating partnerships, and extending the awareness of the National Library of Medicine's resources. As an institution the following staff will help support the project:

> **Lorraine Sheldon, MSIS** *principle investigator*
> Outreach Librarian
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> As the outreach librarian, Lorraine, is the principle investigator and coordinator of the proposed Connecting Health Collaborators App project. Her duties will include facilitating the development of the app with technical staff, researching and identifying local health resources, and verifying information that populates the application. She will also arrange small focus groups with social workers and non-profit organizations to test the app's usability. She earned a master's degree in Information Science and draws from a decade's experience in media and community development.
>
> **Brandy Klug, MLS**
> Web Services Librarian
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> Brandy Klug will design the Connecting Health Collaborators website and application, hosted by the UNTHSC library. Her experience in the field of web services makes her a qualified contributor to this project. Among her accomplishments was the migration of the National Network of Libraries of Medicine (SCR) website and the adoption of her social media policy guidelines at the national level.
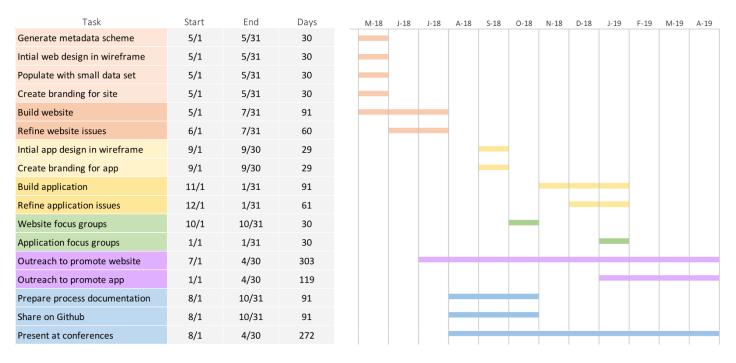>
> **Tom Lyons, MLS**
> Metadata Librarian
> At its core the Connecting Health Collaborators App is a database, as such the support of Tom Lyons as the metadata librarian will be essential to the development of metadata scheme and structure. He has many years of experience in the technical services at libraries and currently services as the coordinator for two other staff.

Project Plan [What is the timeline?]

Development of the Connecting Health Collaborators app would begin after the implementation of the Connecting Health Collaborators website. The estimated start date for the app design would be September 2018. A full month would be dedicated to creating the initial app design and branding in a wireframe. The application build would begin in November 2018 and continue through the end of January 2019. Focus groups consisting of local social workers and non-profit

organization representatives would be initiated in January 2019 to refine the features of the app. Promotion of the app would also begin in January 2019 and would continue for as long as the app is supported by the library. Documentation and sharing code of the project will begin after the launch of the website and continue past the funding year.

Timeline

Task	Start	End	Days
Generate metadata scheme	5/1	5/31	30
Intial web design in wireframe	5/1	5/31	30
Populate with small data set	5/1	5/31	30
Create branding for site	5/1	5/31	30
Build website	5/1	7/31	91
Refine website issues	6/1	7/31	60
Intial app design in wireframe	9/1	9/30	29
Create branding for app	9/1	9/30	29
Build application	11/1	1/31	91
Refine application issues	12/1	1/31	61
Website focus groups	10/1	10/31	30
Application focus groups	1/1	1/31	30
Outreach to promote website	7/1	4/30	303
Outreach to promote app	1/1	4/30	119
Prepare process documentation	8/1	10/31	91
Share on Github	8/1	10/31	91
Present at conferences	8/1	4/30	272

Budget [How much money do I need for the project (budget)?]
For this grant proposal, the library would like to request $5025.

The majority of the budget will cover 166 hours of web development work. This is just less than 8% of the web developer's total salary. An additional cost is included for app developer accounts. (See below.)

Metadata review and outreach services will be in-kind costs, not requested in this grant. The library will absorb all fringe benefits for cost is included for app developer accounts.

Metadata review and outreach services will be in-kind costs, not requested in this grant. The library will absorb all fringe benefits for all three employees.

BUDGET SUMMARY: Round off to the nearest dollar.

	COST –SHARING		TOTALS
	Grant	In-Kind	
1. Personnel a. 8% Web Developer Salary	$4900.00		$4900.00
b. 4% Outreach Salary		$2121.00	$2121.00
c. 2% Metadata Salary		$1138.00	$1138.00
2. Supplies & Software a. Developer accounts	$125.00		$125.00
b. Adobe Suite		$50.00	$50.00
TOTAL PROJECT COSTS	**$5025.00**	3,309.00	$8334.00

Director Approval

By signing below, I hereby acknowledge my support for Lorraine Sheldon's application for the SCAMeL Speedy Startups award for 2018. Lorraine's project building upon the mission of the UNT Health Science Center and Gibson D. Lewis Health Science Library's mission to serve others first and create solutions for a healthier community. Thank you for your consideration of this proposal.

Signature:

Daniel Burgard

Daniel Burgard

Director
Gibson D. Lewis Health Science Library