Recommended Testing and Immunization Practices Web Application

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Information School
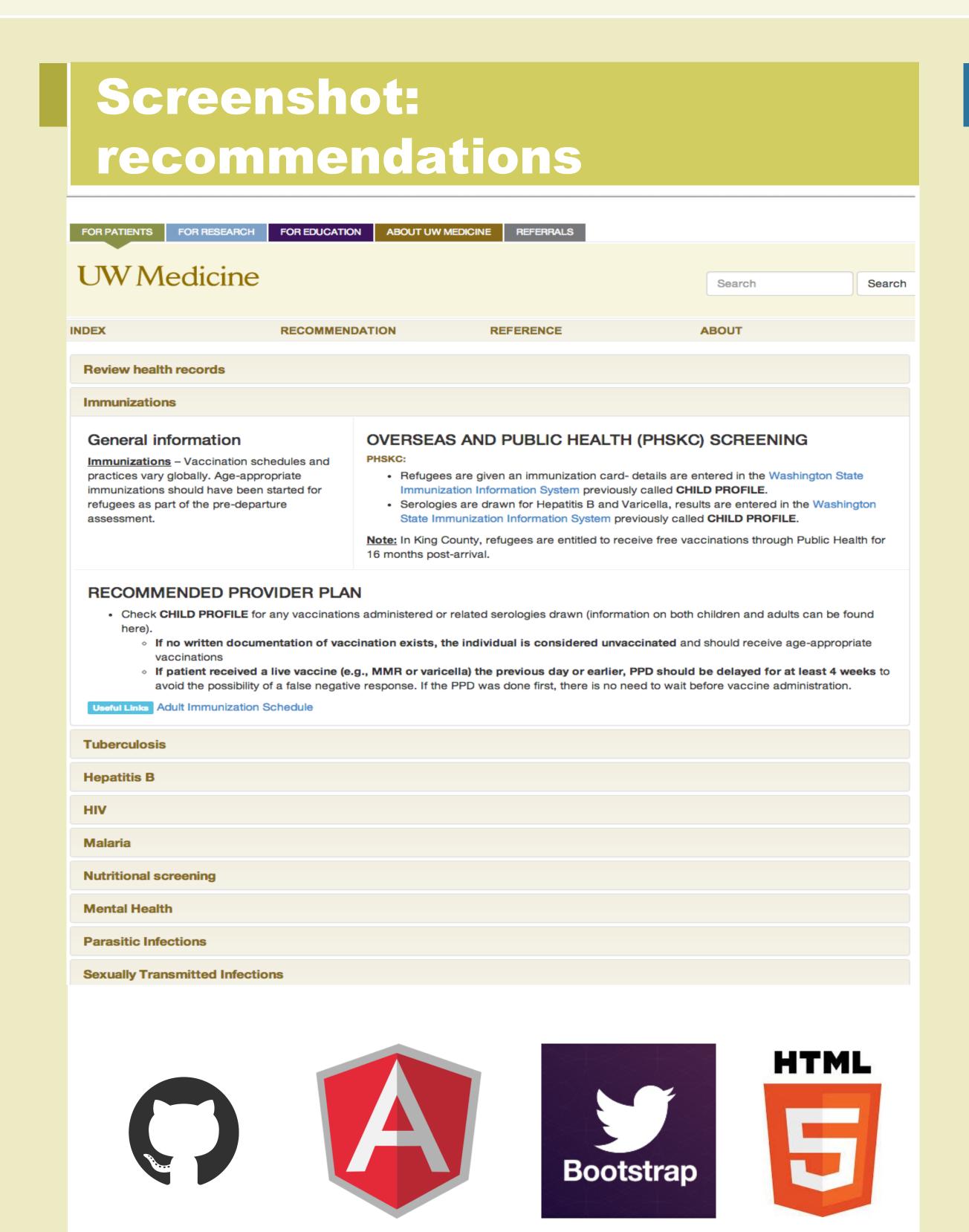UNIVERSITY of WASHINGTON

Abstract

- Doctors face such situations when they treat refugees or illegal immigrants from Harborview Medical Center: Normally these patients have not received screenings and vaccines, which most Americans receive during their childhood.
- Doctors need a convenient tool that gives them recommendations when they treat such special patients.

Background

- The International Clinic at Harborview Medical Center offers free primary care to Seattle's poor and medically indigent refugee and immigrant populations. The clinic developed a toolkit that helps doctors in the community treat refugees and immigrants. However, the clinic only received one form during the first three months that the toolkit was available. The clinic wanted to increase the usage of the toolkit by developing a web application based on it.
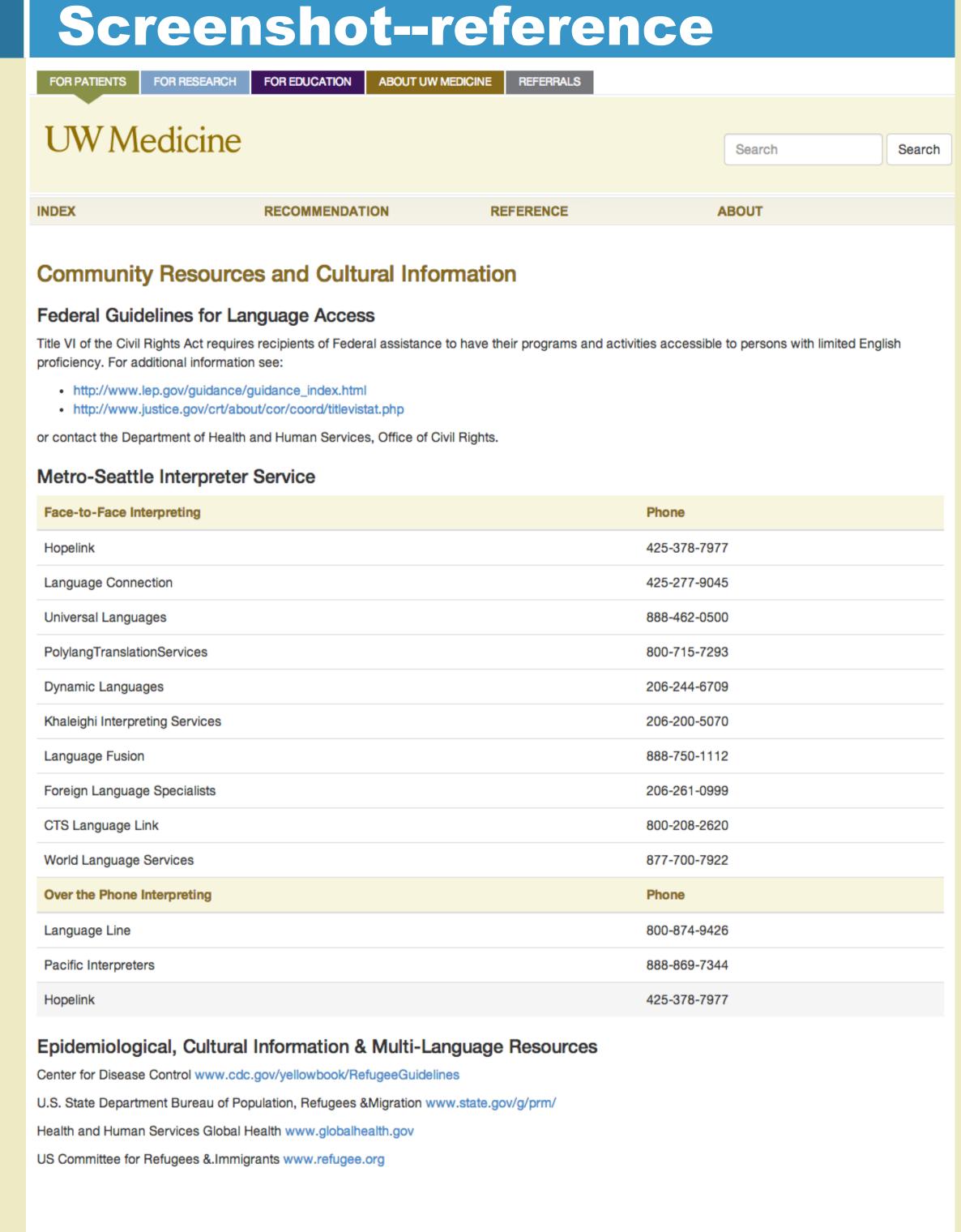
Objectives

- We wanted to develop a web application that provides community physician-recommended testing and treatments for refugees and immigrants based on their background.

Screenshot: recommendations

Screenshot--reference

Development methods

- Understood the logic of the paper-based toolkit
- Learned medical domain knowledge
- Designed user interface with Twitter Bootstrap
- Applied Angular.JS & HTML5
- Utilized Git revision control

To do

- Add database backend
- Add API support
- Add functionality to the app for hospital staff to keep the app up to date, by adding additional recommendations