Newborn Screening Data

Dec 1, 2017

FHIRfighters

https://github.gatech.edu/gt-hit-fall2017/Newborn-Screening-Data-on-FHIR

Project manager	
Project dates	Oct 1, 2017 - Dec 3, 2017
Completion	100%
Tasks	39
Resources	4

The Utah Newborn Screening Program collects a variety of demographic data from the screening specimen that is sent in for a newborn. Often the data collected is missing or inaccurate. In order to complete the data and/or ensure accuracy, the Utah Newborn Screening Program compares this data against the Utah Office of Vital Records and Statistics data from birth and death certificates. The current process is antiquated and would benefit from the usage of a newer technology like FHIR.

Tasks

Name	Begin date	End date	Resources
Requirements Engineering	10/1/17	10/7/17	
Communicate with external mentor	10/1/17	10/4/17	Allan
Draft Gantt chart estimate	10/5/17	10/6/17	Allan
Research topic	10/1/17	10/5/17	Allan, Enrique, Phillip, Reed
Draft and record D1 presentation	10/6/17	10/7/17	Phillip
System Design	10/8/17	10/21/17	
Define functional requirements	10/8/17	10/10/17	Allan, Enrique, Phillip, Reed
Design data model	10/11/17	10/14/17	Allan, Enrique
Design architecture	10/15/17	10/18/17	Allan, Enrique
Develop user stories	10/11/17	10/12/17	Phillip, Reed
Mock up user flows	10/13/17	10/15/17	Phillip, Reed
Mock up screens and actions	10/16/17	10/18/17	Phillip, Reed
Draft and record D2 presentation	10/19/17	10/21/17	Allan
Development Sprint I	10/22/17	11/11/17	
DevOps	10/22/17	11/8/17	
Set up web application framework	10/22/17	10/24/17	Allan
Provision application resources	10/30/17	11/3/17	Allan
Containerize application	10/25/17	10/29/17	Allan
Establish integration/deploy pipeline	11/4/17	11/8/17	Allan
Back-end	10/25/17	11/8/17	
Create data models	10/25/17	10/29/17	Enrique
Create controllers and services	10/30/17	11/2/17	Enrique
Add FHIR integration	11/3/17	11/5/17	Phillip
Add unit tests	10/30/17	11/2/17	Phillip
Add integration tests	11/6/17	11/8/17	Phillip

Tasks

Name	Begin date	End date	Resources
Front-end	10/25/17	11/8/17	
Set up framework and templates	10/25/17	10/26/17	Reed
Create main page/screen	10/27/17	10/31/17	Reed
Create auxiliary screens	11/1/17	11/3/17	Reed
Integrate screens and user flow	11/4/17	11/6/17	Allan
Add acceptance tests	11/7/17	11/8/17	Phillip
Draft and record D3 presentation	11/9/17	11/11/17	Reed
Development Sprint II	11/12/17	12/2/17	
Feature revisions from feedback	11/12/17	11/23/17	Allan
Debugging	11/12/17	11/23/17	Enrique
Quality assurance	11/12/17	11/23/17	Phillip
Add final touches	11/12/17	11/23/17	Reed
Deploy final product	11/24/17	11/25/17	Allan
Draft and record D4/D5 presentation	11/26/17	12/2/17	Enrique

Resources

Name	Default role
Allan	PM
Enrique	DEV
Phillip	QA
Reed	DEV

Gantt Chart

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Requirements Engineering	10/1/17	10/7/17	
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System Design	10/8/17	10/21/17	
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Develop user stories	10/11/...	10/12/17	Phillip,Reed
Mock up user flows	10/13/...	10/15/17	Phillip,Reed
Mock up screens and actions	10/16/...	10/18/17	Phillip,Reed
Draft and record D2 presentation	10/19/...	10/21/17	Allan
Development Sprint I	10/22/...	11/11/17	
DevOps	10/22/...	11/8/17	
Set up web application framework	10/22/...	10/24/17	Allan
Provision application resources	10/30/...	11/3/17	Allan
Containerize application	10/25/...	10/29/17	Allan
Establish integration/deploy pipeline	11/4/17	11/8/17	Allan
Back-end	10/25/...	11/8/17	
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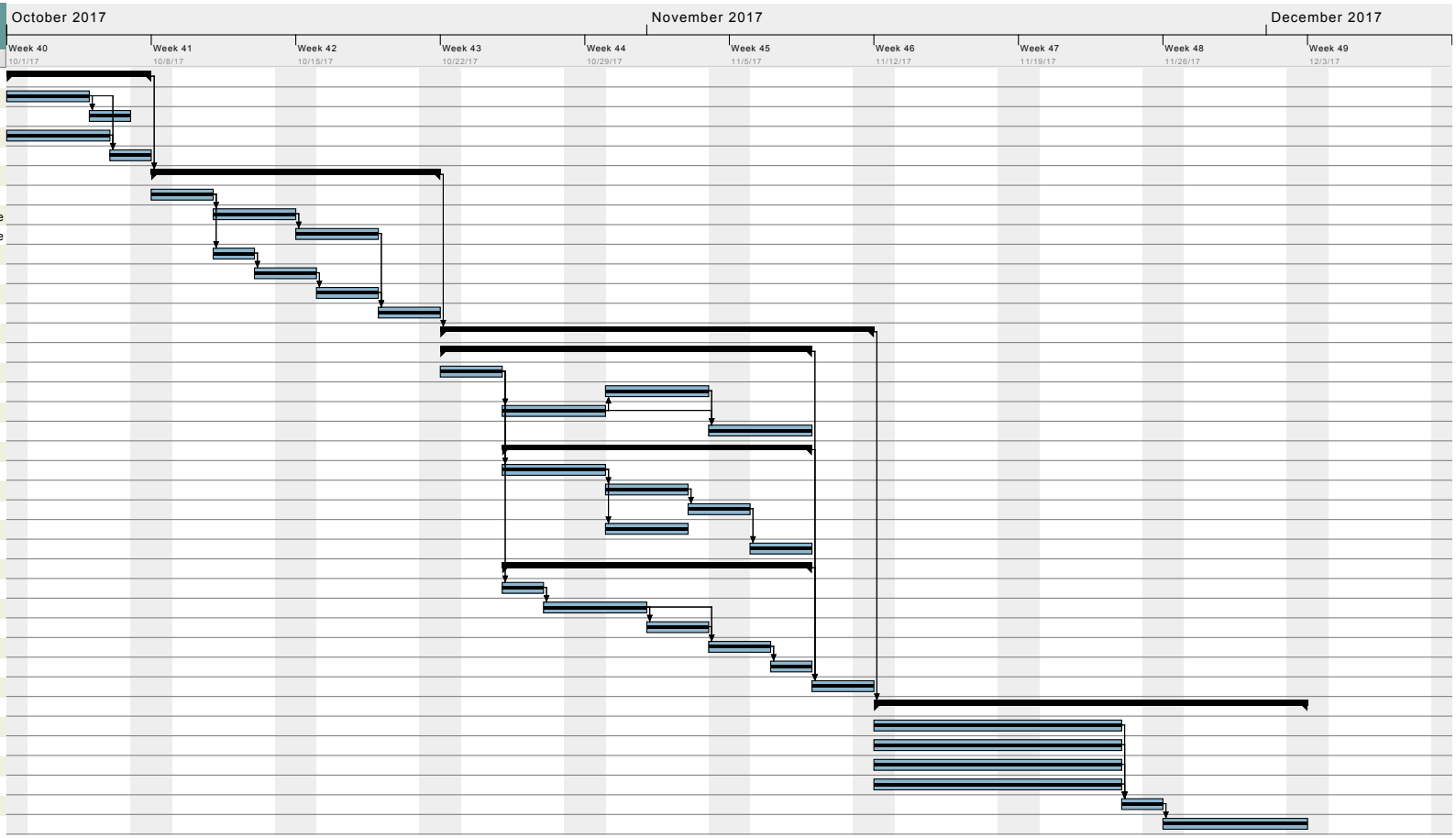
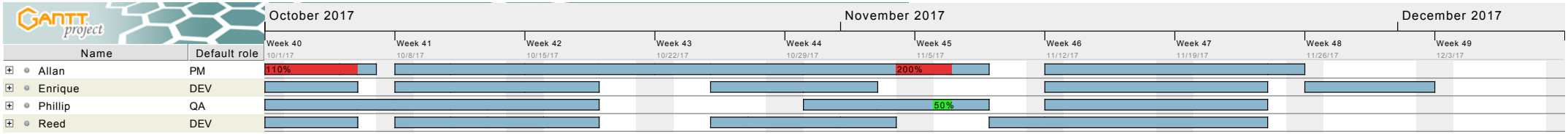
Add final touches	11/12/...	11/23/17	Reed
Deploy final product	11/24/...	11/25/17	Allan
Draft and record D4/D5 presentation	11/26/...	12/2/17	Enrique



Resources Chart