INF 5750

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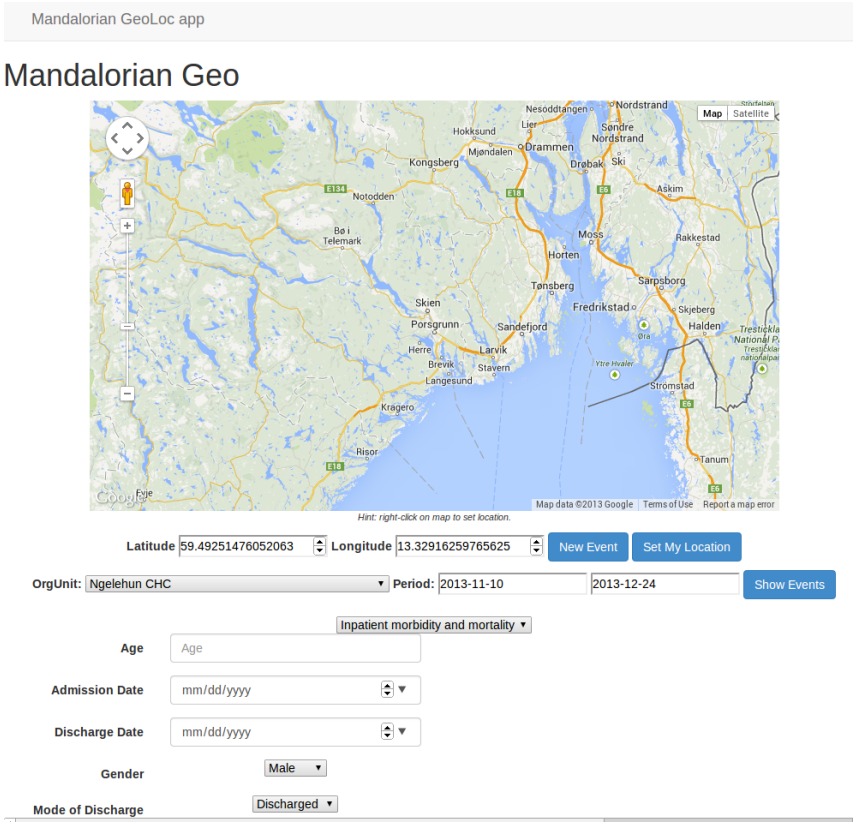
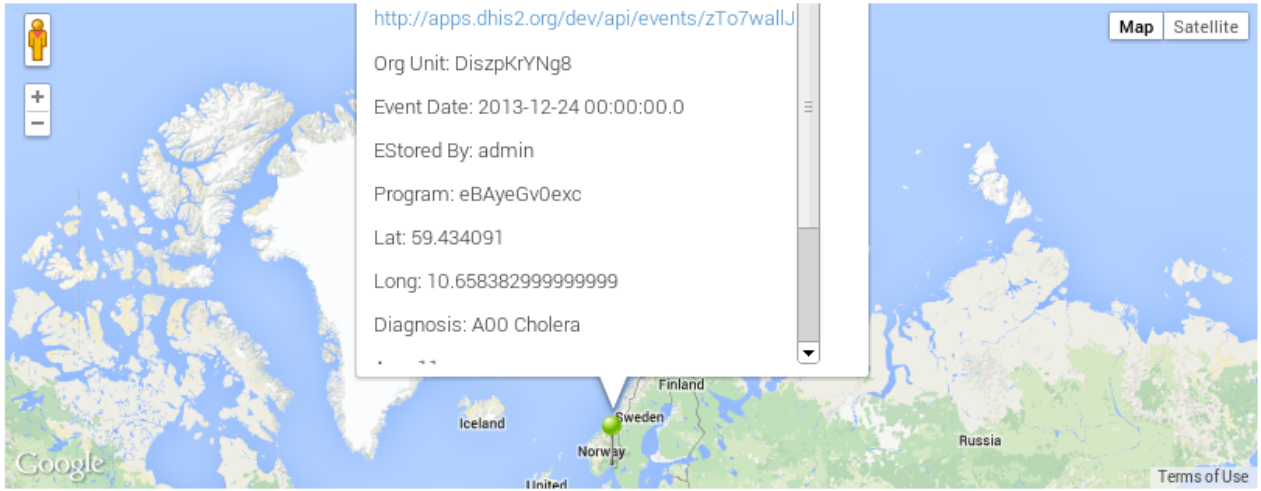
Backup screenshots



Mandalorian Geolocation /

apps.dhis2.org/apps/commitedversin2//index.html

Mandalorian Geo



Hint: right-click on map to set location.

Period: 2013-11-01 2013-12-24 Show Events Set My Location

Orgunit:	DiszpKrYNg8	**Program:**	eBAyeGv0exc		
Lat	**Long**	**Diagnosis**	**Age**	**Gender**	**Admission Discharge**
0	0	A029 Salmonella infection, unspecified	19	Female	
0	0	A029 Salmonella infection, unspecified	19	Female	
0	0	C108 Overlapping lesion of oropharynx	23	Male	
0	0	A001 Cholera due to Vibrio cholerae 01, biovar eltor	23	Female	
0	0	A029 Salmonella infection, unspecified	19	Female	
0	0	A00 Cholera	33	Male	
0	0	B50 Plasmodium falciparum malaria	123	Male	

Hint: right-click on map to set location.

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0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	A00 Cholera	33	Male		
0	0	B50 Plasmodium falciparum malaria	123	Male		
0	0	D100 Lip	19	Female		
0	0	C101 Anterior surface of epiglottis	23	Male		
0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	A029 Salmonella infection, unspecified	19	Female		
0	0	B16 Acute hepatitis B	18	Male		
59.434091	10.658382999999999	A00 Cholera	11	Male		
0	0	A029 Salmonella infection, unspecified	19	Female		

Program: Inpatient morbidity and mortality ▾ OrgUnit: Ngelehun CHC ▾ New Event

Latitude	59.434091
Longitude	10.658382999999999
Event date	2013-12-24
Age	11
Discharge Date	2013-12-24
Admission Date	2013-12-24
Gender	Male ▾
Mode of Discharge	Discharged ▾
Diagnosis (ICD-10)	A00 Cholera

Save

The scope and what each group member has done

- Weekly Face-To-Face Meetings.
- All group members installed local DHIS2 databases and participated in coding and testing.
- Everyone studied the DHIS2 documentation for the API
- We investigated the DHIS2 API early on testing retrieving HTML, XML and JSON data and discussed together how to design the app and the functionality and features of DHIS2
- Group members were not afraid to make changes to each-other’s code and some learning was involved with making sure not to break code that others have written and using git properly to merge with previous changes.

Claus

- Created the initial project with Haimanot using bootstrap and set up the github repository
- Implemented the google map and custom markers showing event locations, right click for position and setting current position
- Researched and Implemented the JSON to retrieve events
- Display Events in List for a given period, program and orgUnit
- Save event data using JSON using map location
- Testing against apps.dhis2.org/demo and then /dev as well as local DHIS2.

Claus

- Looked into cross-origin resource sharing (CORS) in relation to the mobile app.
- Claus looked into how we might develop a phone app but was not convinced it made sense as we developed the APP to live inside DHIS2 and so would be accessible on a mobile device through a browser.
- Group members were not afraid to make changes to each-other's code and some learning was involved with making sure not to break code that others have written and using git properly to merge with previous changes.

Haimanot

- Suggested useful collaboration tools, such as Trello. com to manage task assignment and using a google document logbook for the group to track progress.
- Testing against apps.dhis2.org/demo and then /dev as well as local DHIS2.
- Creating the form UI with twitter bootstrap
- Making it dynamic based on the chosen program

Ghada

- Researched retrieving program data using DHIS 2 API
- Testing against apps.dhis2.org/demo and then /dev as well as local DHIS2.
- Looked on the insights of DHIS API’s and how to get data from json files and create dynamic form.
- Trying to look on the insight of how to implement the app as an android app.I tested the actual running app on the phone.

The technologies and frameworks you've used.

- Javascript
- JQuery
- Bootstrap
- Google Maps
- Git and Github
- Android Development Tools and Genymotion (experimenting only)
- Trello.com
- Google Docs
- DHIS 2 with postgresql
- Eclipse
- Firefox and Chrome
- RESTClient plugin
- JSONView plugin
- The course wiki

Problems and issues you've met during development

- DHIS2 locations were not initially working so that caused some confusion.
- The development instance of DHIS2 was very unstable and often would not work and so delayed early testing and progress.
- A lot of time was spent on hard to figure out JQuery issues where RESTClient would work, but not the app code.
- Installing local DHIS 2 database worked for one group member, but required several installs for the rest due to strange problems and had difficulties running the installed app for unknown reasons.
- Learning to use git caused some code to be overwritten because of code changes not being merged.
- Fully understanding how the app would work with DHIS 2 in the early stages was a challenge and delayed start of design and coding.

Any suggestions to improvements in DHIS2 APIs or other, including any changes you've had to do on DHIS2 code.

- A reset to default button for the app settings page would have been nice.
- While some loadings go on backround it would have been nice to able to disable the page
- The layout could have been better

Information about tasks you've done beyond the minimum expected. Things like mobile client, unit tests, build framework, innovative features etc.

- Group members experimented with android app development, but was not included in final code.
  - Genymotion was used by some group members for faster emulation testing.
  - Testing on actual android phone was also tried.
- Created custom markers in the form of pins with detailed event data and link the XML data available on clicking the pin.
- Able to set location based on both your location and right clicking the google map.
- Populated the orgUnit selector based on the selected program.
- Event fields dynamically generated from the selected program.