Design Forum

What is Design Forum?
OpenMRS Design Forums are one-hour calls twice each week for the purpose of discussing any design-related issues within the OpenMRS Community. The calls are open to anyone and routinely attended by experienced developers and clinical informatics specialists. We encourage all members of the community to join our design calls that are of interest and helpful to them. The design call is apt at several stages of design:

- At the start of a design process, bring your ideas for review by the broader community to get validation of your ideas and some feedback on directions to go.
- In the middle of a project, share your prototypes and get feedback from experienced developers and clinicians in a higher bandwidth format than email or IRC.
- When you encounter important decision points and see a few choices, share some brief background and your options and get help making the decision.

How do you get your topic on a Design Forum agenda?
Simply reply post your proposed topic at om.rs/designtime. Please try to include these 4 pieces of information:

1. **Title.** Short descriptive title for agenda item.
2. **Description.** Context for people who may not be directly involved in the work. Include links to JIRA issue(s), Talk discussion(s), wiki page(s), or other relevant resources for the discussion. It’s also helpful to summarize your specific goals for the discussion (what question(s) you are trying to answer).
3. **Required attendee(s).** Who you believe must join the call for it to be productive. We’ll use this to schedule the call when they can join.
4. **Desired timing.** Next available slot? Or is there a specific design forum you’d like to target.

How to Join?
Community meetings and events use one of two conferencing tools: Uberconference or Zoom. Below is general information and helpful hints for connecting to a conference call or meeting.

OpenMRS Meetings

#### Be Prepared for Your Meeting

- Confirm the conference connection information for your meeting. This information can be found in the meeting or event details on our OpenMRS Calendar, weekly What’s Happening Talk post, and on a squad or team’s Wiki page.
- Consider connecting via telephone/VOIP for best audio quality.
- If connecting via computer, be sure your network has the audio/video bandwidth you need.
- Before attending or presenting via computer, try the web browser microphone/speaker test.
- Read the UberConference support pages for troubleshooting or contact them in case of problems.

#### Be Considerate of Others

- Please be on time for your meeting, and end on time.
- Be sure to confirm (and add) your meeting time on the Community Meeting Calendar to ensure others aren’t using the service at the same time.
- Please don’t schedule meetings “back to back”. Allow time for one meeting to wrap up before the next meeting begins.

**Hints for using Zoom:**

- Use the Zoom short link to join a call quickly
- If you are ever prompted for a passcode, simply respond with “1”
- If you are directed to the “Indiana University Login” page, try to join a Meeting - Zoom, put in the meeting code (available in the event detail on our calendar), and then using our passcode when prompted. You can also try using the Zoom app on your mobile or desktop.

**Hints for using Uberconference calls:**

- We have one, shared Uberconference number. Please check our calendar to make sure the Uberconference link is available before scheduling a call using Uberconference.
- The conference line is a shared resource for our community’s use in our open source projects. Please do not use it for 3rd-party or personal meetings.
- Uberconference currently does not support screen share. If you plan to share screens and want to record the screen share, consider using Zoom instead.

When are the Meetings to be held

**Mondays 4:00pm-5:00pm UTC** (excluding OpenMRS holidays). See UTC translated to other time zones.

**Wednesdays from 2:00pm-3:00pm Eastern Time** (excluding OpenMRS holidays, and changing with US Daylight Saving Time). Translate US Eastern Time to other time zones.

Notes / Minutes

### 2019

**January**

- **02 - OPEN FORUM**
- **07 - OPEN FORUM**
- **09 - OPEN FORUM**
- **14 - OPEN FORUM**
- **16 - OPEN FORUM**
- **21 - CANCELLED - HOLIDAY**
- **23 - Architecture proposal: Modules and Verticals**
<table>
<thead>
<tr>
<th>January</th>
<th>February</th>
<th>March</th>
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| * 01 (CANCELLED - OpenMRS Holiday)  
  03  
  08  
  10  
  15 (CANCELLED - OpenMRS Holiday)  
  22  
  24  
  29 - Refactoring RefApp UI to use Javascript+REST to promote greater collaboration  
  31 | * 05  
  07 - DHIS2 Integration  
  12 - DHIS2 Integration  
  14 - OPEN FORUM  
  19 - (CANCELLED - OpenMRS Holiday)  
  21 - Dictionary Mgmt for OpenMRS using OCL  
  26 - OPEN FORUM  
  28 - DHIS2 Integration | * 05 - DHIS2 Integration  
  07 - OPEN FORUM  
  12 - Dictionary Mgmt for OpenMRS using OCL (Follow up from 2/21)  
  14 - Implementing LDAP support in atlas 3.0 project  
  19 - Dictionary Mgmt for OpenMRS using OCL  
  21 - OPEN FORUM  
  26 - OCL for OpenMRS  
  28 - Review Moving Event Module Logic to Event Module |

<table>
<thead>
<tr>
<th>April</th>
<th>May</th>
<th>June</th>
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| * 02 - Reference Application 2.8  
  04 - OPEN FORUM  
  09 - Reference Application 2.8  
  11 - Condition List for Reference Application  
  16 - OCL for OpenMRS  
  18 - UI Dev Conventions  
  23 - Data Warehousing and Analytics  
  25 - OPEN FORUM  
  30 - Data Warehousing and Analytics | * 02 - mdsbuilder  
  07 - Adding Order Status for Orders  
  09 - OPEN FORUM  
  14 - OPEN FORUM  
  16 - OPEN FORUM  
  21 - OPEN FORUM  
  23 - OPEN FORUM  
  28 (CANCELLED - OpenMRS Holiday)  
  30 - OPEN FORUM | * 04 - OPEN FORUM  
  06 - OPEN FORUM  
  11 - OPEN FORUM  
  13 - OPEN FORUM  
  18 - OPEN FORUM  
  20 - OPEN FORUM  
  25 - Appointment Scheduling Integration w/ Other Forms and Blocking Public Holidays and Weekends in Calendar1  
  27 - OPEN FORUM |

<table>
<thead>
<tr>
<th>July</th>
<th>August</th>
<th>September</th>
</tr>
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| * 02 - Patient Queueing in OpenMRS  
  04 (CANCELLED - OpenMRS Holiday)  
  09 - OPEN FORUM  
  11 - OPEN FORUM  
  16 - OPEN FORUM  
  18 - Order Entry UI  
  23 - OPEN FORUM  
  25 - Oncology Module  
  30 - AMPATH Form Builder | * 01 - OPEN FORUM  
  06 - OPEN FORUM  
  08 - OPEN FORUM  
  13 - OPEN FORUM  
  15 - Adding end-to-end test automation to OpenMRS applications  
  20 - OPEN FORUM  
  22 - OPEN FORUM  
  27 - GSoC After Action Review  
  29 - OPEN FORUM | * 03 (CANCELLED - OpenMRS Holiday)  
  05 - OPEN FORUM  
  10 - OPEN FORUM  
  12 - More patientSearch filters such as age and gender  
  17 - How do we define an “active” order as a search parameter for the Order service?  
  19 - OPEN FORUM  
  24 - OPEN FORUM  
  26 - Improving on Memory Management in the mergepatientdata module |

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<thead>
<tr>
<th>October</th>
<th>November</th>
<th>December</th>
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| * 01 - EHR UX Re-Design - Concept Demo  
  03 - Review and discuss object mappings mentioned in Sync 2.0 FHIR Object Mapping  
  08 - OPEN FORUM  
  10 - OPEN FORUM  
  15 - Resolving design inconsistencies in Cohort Membership (TRUNK-5379)  
  17 - OPEN FORUM  
  22 - OPEN FORUM  
  24 - OPEN FORUM  
  29 - OPEN FORUM  
  31 - Unblock Reference Application 2.9 Release Issue Tracking | * 05 - OPEN FORUM  
  07 - OPEN FORUM  
  12 - OPEN FORUM  
  14 - OPEN FORUM  
  19 - OPEN FORUM  
  21 - OPEN FORUM  
  26 - OPEN FORUM  
  28 - OPEN FORUM | * 03 & 05 (CANCELLED OMRS18)  
  10 - OPEN FORUM  
  12 - OPEN FORUM  
  17 - OPEN FORUM  
  19 - OPEN FORUM  
  24 - CANCELLED  
  31 - CANCELLED |

**January**
- **04 - OPEN FORUM**
- **09 - Patient Merge Functionality (Akhil Malhotra)**
- **11 - OPEN FORUM**
February

- **01** - **RESTWS-627** - Support installing/starting/stopping modules via REST (CLOSED) (Darius Jazayeri, Rafal Korytkowski, Daniel Kayiwa)
- **06** - RefApp 2.6 design needs, GSoC 2017 projects
- **08** - OPEN FORUM
- **13** - Incorporating Encounter Diagnoses into opnemrs-core (Darius Jazayeri, Jonathan Teich, Mark Goodrich, Bharat Akkinepalli)
- **15** - **REPORT-288** - Incorporate the Location Hierarchy capabilities into the reporting module (CLOSED) (Ivange Larry Ndumbe, Mike Seaton, Daniel Kayiwa, Darius Jazayeri, Wyclif Luyima)
- **20** - CANCELLED - OpenMRS Holiday
- **22** - Replace existing style guide with a new one based on Bootstrap (Stephen Senkomago Musoke)
- **27** - OPEN FORUM

March

- **01** - Platform 2.1 (Darius Jazayeri, Mike Seaton, Daniel Kayiwa, Wyclif Luyima, Deepak Sharma, Adam Grzybkowski, Rafal Korytkowski)
- **06** - OPEN FORUM
- **08** - OPEN FORUM
- **13** - **TRUNK-4916** - Validators should be called when unretiring/unvoiding an object (CLOSED) (Wyclif Luyima)
- **15** - OPEN FORUM
- **20** - Rethink unit test style to remove duplication (Ivo Ulrich)
- **22** - Review "Crazy Ideas" from Sept 22, 2016 Dev Forum (Darius Jazayeri, Daniel Kayiwa)
- **27** - **TRUNK-4976** - Support obs.interpretation and obs.status, aligned with FHIR.
- **29** - OPEN FORUM

April

- **03** - Forking the Ref App (Burke Mamlin, Darius Jazayeri)
- **05** - OPEN FORUM
- **10** - **TRUNK-4906** - Expanded cohort details (CLOSED) (Burke Mamlin, Daniel Kayiwa, Wyclif Luyima)
- **12** - Expanded cohorts update, Clearer exceptions for order entry (<https://issues.openmrs.org/browse/TRUNK-4696>) (Darius Jazayeri, Wyclif Luyima, Daniel Kayiwa, Burke Mamlin)
- **17** - OPEN TOPIC, Generically handling XSS issues (Burke Mamlin)
- **19** - OPEN TOPIC, Upgrades to FHIR module, Patient Save via REST duplicates names, Cohort Membership date/datetime questions (Darius Jazayeri, Jonathan Teich, Daniel Kayiwa, Wyclif Luyima, Burke Mamlin)
- **24** - OPEN TOPIC, Searching for orders (driven by the Cohort Builder) (Darius Jazayeri, Jonathan Teich, Daniel Kayiwa, Wyclif Luyima, Burke Mamlin)
- **26** - OPEN TOPIC, Upgrades to FHIR module, Patient Save via REST duplicates names, Cohort Membership date/datetime questions (Darius Jazayeri, Jonathan Teich, Daniel Kayiwa, Wyclif Luyima, Burke Mamlin)

May

- **01** - OPEN FORUM
- **03** - Review "Crazy Ideas from Apr 13, 2017 Dev Forum (Darius Jazayeri, Daniel Kayiwa)
- **08** - Bahmni 0.89 includes Audit Log, Updating Legacy UI module creates memory leak and loss of functionality (Darius Jazayeri, Daniel Kayiwa, Burke Mamlin)
- **10** - OPEN FORUM (Darius Jazayeri, Daniel Kayiwa, Burke Mamlin)
- **15** - Brainstorming a decision support project (Darius Jazayeri, Daniel Kayiwa, Burke Mamlin, Wyclif Luyima)
- **17** - Creating/defining a backlog of "needs design" issues (Darius Jazayeri, Daniel Kayiwa, Burke Mamlin, Wyclif Luyima)
- **22** - Replacement for the Sync module: a hub-and-spoke approach using FHIR and Atom feeds (Darius Jazayeri, Angshuman Sarkar)
- **24** - Goals for the Platform (Burke Mamlin)
- **29** - CANCELLED - OpenMRS Holiday
- **31** - Initializer Module (Burke Mamlin, Dimitri R, Stephen Senkomago Musoke, Mike Seaton, Darius Jazayeri, Dominic Surrao)

June

- **05** - Continuing the discussion from Reference Application 2.7 Planning, Ideas, Features and Road Map (Stephen Senkomago Musoke)
- **07** - OpenMRS PIX/PDQ registration integration with OpenEMPI (Craig Appl, Darius Jazayeri, Burke Mamlin, Mark Goodrich, Mike Seaton, Wyclif Luyima, Nathaef Hyppolite)
- **12** - Expanded Data Entry Statistics (Eusebio Maposse, Stélio Moiane, Willa Mhawila, Ada Yeung)
- **14** - OPEN FORUM
- **19** - OPEN FORUM
- **21** - OPEN FORUM
- **26** - OPEN FORUM
- **28** - OPEN FORUM
July:

- **03** - OPEN FORUM
- **05** - OPEN FORUM
- **10** - Fingerprinting (Mike Seaton, Craig Appl)
- **12** - PHR Authentication (elly makuba, Ada Yeung, user-03a8c, Simon Savai, Samuel Mbugua, Judy Gichoia, Burke Mamlin, Darius Jazayeri, Wyclif Luyima)
- **17** - Sync 2.0 architecture draft (Rafal Korytkowski, Pawe Gesek, Darius Jazayeri, Craig Appl, Dimitri R)
- **19** - OPEN FORUM
- **24** - Reporting Enhancements (Mike Seaton, Rafal Korytkowski, Romain Buisson, Kaweesi Joseph, Jude Niroshan, Daniel Kayiwa, Azeez Olaranai, Ondojie Daniel, Fortune Ekeruo, Femi Oladeji, Chukwuemeka Nwankwo, onah Murphy)
- **26** - OPEN FORUM
- **31** - Look at tickets labeled community priority, at the goal of tickets and identify strategic issues for the community.

Aug:

- **02** - DuiFramework.development.moduleid vm argument should support multiple folders
- **07** - Next Steps for Platform (Burke Mamlin)
- **09** - Data Management
- **14** - Platform: EMR API Functions (Burke Mamlin, Darius Jazayeri, Mark Goodrich)
- **16** - Platform: Provider Roles (Burke Mamlin, Darius Jazayeri)
- **21** - Incorporating idgen module into the Platform (Burke Mamlin, Mike Seaton, Darius Jazayeri)
- **23** - OPEN FORUM
- **28** - OPEN FORUM
- **30** - OPEN FORUM

Sep:

- **06** - OPEN FORUM
- **11** - Update Technology Radar (Burke Mamlin, Darius Jazayeri, Mike Seaton, Pascal Brandt, Wyclif Luyima)
- **13** - OPEN FORUM
- **18** - OPEN FORUM
- **20** - OPEN FORUM
- **25** - Platform: Encounter Transaction API (Burke Mamlin, Darius Jazayeri, Mark Goodrich)
- **27** - OPEN FORUM

Oct:

- **02** - Loading OWAs programmatically & Encounter Diagnoses follow-up
- **04** - Review Andela Demos
- **09** - Canceled - OpenMRS Holiday
- **11** - Unveiling/Unretiring via REST (Darius Jazayeri)
- **16** - OPEN FORUM
- **18** - OPEN FORUM
- **23** - OPEN FORUM
- **25** - OPEN FORUM
- **30** - OPEN FORUM

Nov:

- **06** - OPEN FORUM
- **08** - Patient Program "voidLastState" object (Mark Goodrich)
- **13** - Open Concept Lab (OCL): current status and direction (Jonathan Payne, Rafal Korytkowski)
- **15** - OPEN FORUM
- **20** - OPEN FORUM
- **22** - OPEN FORUM
- **27** - OPEN FORUM
- **29** - OPEN FORUM

Dec:

- **04** - JIRA issues to consider for backporting for Platform 2.1.2
- **06** - OPEN FORUM
- **11** - OPEN FORUM
- **13** - OPEN FORUM
- **18** - OPEN FORUM
- **20** - OPEN FORUM
- **25** - CANCELLED - OpenMRS Holiday
- **13** - CANCELLED - OpenMRS Holiday

Jan:

- **04** - Impromptu topic: How should we capture requirements?
- **06** - Impromptu topic: Automating the release processes for the platform, Improving some CI plans to build against multiple maven profiles
- **11** - (9:30-10:30) Atlas enhancements with ThoughtWorks (Gurpreet Luthra)
- **11** - Platform 1.12: showcase free text drug orders and API (Shruthi Dipali)
- Attributes for concepts (Angshuman Sarkar)
- Canceled - OpenMRS Holiday
- OpenMRS Core tickets:
  - TRUNK-4262 - Date fields are stored precise to the second in the DB, and MySQL 5.6 rounds milliseconds instead of truncating them (CLOSED)
  - TRUNK-4953 - Problems with ClassCast Exception (CLOSED)
- Episodes of Care and Care Plans (Jan Flowers)
- Episodes of Care and Care Plans - Technical Design (Jan Flowers, Valerio Joao)

February

- OrderEntryUI (Romain Buisson)
- Data Migration, Trunk-50
- strategy for forward-porting 1.12 changes to 2.0 (Vinay Venu)
- OPEN
- Canceled - OpenMRS Holiday
- expanding the cohort_member table (Ada Yeung, Simon Savai)
- which privileges are needed in Patient Overview section?
  - Create liquibase changeset to insert the new application level privileges for each corresponding api level privilege (user-1fb53) (CLOSED)
- Remove org.openmrs.notification package from API
  - Remove org.openmrs.notification package from API and remove unused implementations of Notification and Alert (CLOSED) (Shreyans Sheth)
- OrderSet design (Achinta Roy)

March

- Work on TRUNK tickets
  - Obs not voided when updated via saving an Encounter (CLOSED) (Wyclif Luyima),
  - Separate liquibase file into separate files per version (CLOSED) (parlay ramteke)
- Drug interactions (Akhil Malhotra)
- OPEN
- OPEN
- OPEN
- OpenMRS JavaScript Ecosystem (Pascal Brandt)
- OPEN
- OPEN
- Data Integrity module for data quality audits? (Jonathan Dick, Ada Yeung)
- OPEN

April

- Coordinating different DHIS2 projects (Darius Jazayeri, Sri Maurya Kummamuru, Vinay Venkatchalal, James K)
- Concept Attributes
- RadiologyReport object semantics (TENTATIVE)
- OPEN
- Concept Attributes (questions/clarifications) (Akhil Malhotra)
- OPEN
- OPEN
- OPEN
- OPEN
- OPEN

May

- OpenMRS Technology Radar (Mike Seaton, Pascal Brandt)
- Cohort Module (Shreyans Sheth, Maimoona K, Sharon Varghese)
- Reporting REST Module (Mike Seaton, Burke Mamlin, Daniel Kayiwa, Darius Jazayeri)
- OPEN
- Provider/Privilege Role and Create provider account inconsistent, Concept Attributes(Ada Yeung, Kaweesi Joseph) (Akhil Malhotra)
- OPEN
- Pluggable authentication modules for OpenMRS (Pascal Brandt, Vinay Venkatchalal)
- OPEN
- OPEN
- OPEN
- Canceled - OpenMRS Holiday

June

- OpenMRS Technology Radar Team (Darius Jazayeri, Burke Mamlin, Pascal Brandt, Saptarshi Purkayastha, Wyclif Luyima, Daniel Kayiwa, Mike Seaton)
- Nutrition (Theresa Cullen, Joe Amlung, Aaron Cocke)
- OPEN
- Upgrade Data Collection support for Human Genetics Care (Akshika Wijesundara, Suranga Kasthurirathne, Burke Mamlin)
- OPEN
- OPEN
- Form Builder (Akhil Malhotra)
- Mobile Interface (Wesley Brown)
- OPEN

**July**
- 04 - Cancelled (US Holiday)
- 06 - OPEN
- 11 - Scheduled orders cannot be discontinued (2.0 Platform related)
- 13 - Adding resources to HTML forms
- 18 - Mobile Interface (Wesley Brown)
- 20 - OPEN
- 25 - OPEN
- 27 - OPEN

**August**
- 01 - Cancelled
- 03 - Cancelled
- 08 - OPEN
- 10 - OpenMRS - DHIS2 module Disaggregation (Sri Maurya Kummamuru)
- 15 - OPEN
- 17 - OPEN
- 22 - OPEN
- 24 - OPEN
- 29 - OPEN
- 31 - OPEN

**September**
- 07 - REST for subclasses of classes which already are resources (Ivo Ulrich, Pascal Brandt, Rafal Korytkowski, Wyclif Luyima, Darius Jazayeri)
- 12 - Order Classes (Ivo Ulrich, Wyclif Luyima, Daniel Kayiwa, Darius Jazayeri)
- 14 - OpenMRS Technology Radar: final document review (Darius Jazayeri, Pascal Brandt, Mike Seaton, Wyclif Luyima, Saptarshi Purkayastha, Daniel Kayiwa)
- 19 - Platform 2.0 Issues
- 21 - Add UID to Concept Source (Ivo Ulrich)
- 26 - Debugging HTML form entry module to upload images in the OpenMRS 2.x UI (Akshika Wijesundara)
- 28 - OPEN

**October**
- 03 - liquibase changesets [TRUNK-4830] - Avoid running legacy liquibase changesets  CLOSED
- 05 - OPEN
- 12 - Expand cohort details (Wyclif Luyima) [TRUNK-4906] - Expanded cohort details  CLOSED
- 17 - Adding REST support for complex obs [RESTWS-297] - Implement support for complex obs  CLOSED
- 19 - Addig REST support for complex jobs (cont..) [RESTWS-297] - Implement support for complex obs  CLOSED
- 24 - Adding REST support for complex obs (cont..) [RESTWS-297] - Implement support for complex obs  CLOSED
- 26 - OPEN
- 31 - Analyze Interesting Features in OpenMRS Distributions for Including in the Platform (Darius Jazayeri, Jan Flowers)

**November**
- 02 - OPEN
- 07 - OCL for OpenMRS Drug Formulations (Darius Jazayeri, Jonathan Teich)
- 09 - Large Hospital Implementation: Lessons Learned and Hardware Requirements (Dimitri R, Yousuf Ahmed)
- 14 - PIH: Bahmni Program Support (David DeSimone, Darius Jazayeri, Gurpreet Luthra, Jonathan Teich, Mike Seaton)
- 16 - Cancelled (OpenMRS Update Meeting - AMIA)
- 21 - OPEN
- 23 - OPEN
- 28 - supporting order extension module features (Mike Seaton, Bharat Akkinepalli, Darius Jazayeri, Jonathan Teich, Wyclif Luyima, Burke Mamlin)
- 30 - OPEN

**December**
- 05 - Cancelled (OMRS16)
- 07 - Cancelled (OMRS16)
- 12 - OPEN
- 14 - OMRS16 Hackathon Tickets
- 19 - Ideas: Look and Feel Framework for Reference Application (Stephen Senkomago Musoke, Darius Jazayeri, Burke Mamlin, Wyclif Luyima, Mike Seaton, Mark Goodrich, Rafal Korytkowski, Jonathan Teich)
- 21 - Condition List
- 28 - OPEN

*Jan: 5 | 7 | 12 | 14 | 19 (Cancelled) | 21 | 26 (Cancelled) | 28 (Cancelled)*
**All Hands on Deck** Testing Sprint

- Dec: 2
- Nov: 2
- Oct: 1
- Sep: 1
- Aug: 4
- July: 2
- June: 2
- May: 4
- Apr: 1
- Mar: 2
- Feb: 2

**Cancelled**

- Oct: 5
- Sep: 2
- Aug: 3
- July: 1
- June: 1
- May: 4
- Apr: 1
- Mar: 2
- Feb: 2

**All Hands on Deck** Testing Sprint

- Dec: 2
- Nov: 2
- Oct: 1
- Sep: 1
- Aug: 4
- July: 2
- June: 2
- May: 4
- Apr: 1
- Mar: 2
- Feb: 2

**Cancelled**

- Oct: 5
- Sep: 2
- Aug: 3
- July: 1
- June: 2
- May: 4
- Apr: 1
- Mar: 2
- Feb: 2