

Technical Roadmap

What is the OpenMRS Technical Roadmap?

The Technical OpenMRS Roadmap is a set of milestones for our Platform, Reference Application, community-sponsored modules, and related tasks that help us meet the needs of our implementations.

For information about how the roadmap milestones are chosen and prioritized, see the [Technical Roadmap Planning](#) page.

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- Needs a user centric story - add to existing ticket
- OpenMRS Web Framework
- From discussions in #MOZ15, we would like for the OpenMRS Platform to evolve toward providing a web framework that allows developers to add functionality using standard development tools (e.g., HTML5 + JavaScript against REST services, AngularJS apps, OWA , ...).
- IN DESIGN
- Burke Mamlin
- Vertical Packaging
- OpenMRS has a lot of flexibility and extensibility with a central concept dictionary, RBAC, forms, reports, modules, and apps; however, it's not always easy to know which metadata goes with which functionality. The goal of vertical packaging is to define best practices for managing and relating all of the components (metadata & behavior) that work together to solve a particular problem within OpenMRS. Eventually, we envision a way that someone could easily add the MDRTB package to their OpenMRS implementation to begin treating MDRTB patients... or upgrade their Oncology package, etc.
- IN DESIGN
- Rafal Korytkowski
- Condition List
- Daniel took a look at condition list to see what we need to do to get the API in 2.3 and believes if we do not get volunteers on admin sprint then condition list will not be ready.,
- 13 April WIP given on design call
- 1 June design forum to define how encounter diagnoses should work with conditions (and condition list).
- Talked w/ Bahmni BA (Saranya) about use cases and requirements on 15 June design forum
- Basic Order Entry for meds and tests
- Basic ordering of meds and tests "out of the box" in Reference Application.
- IN DESIGN
- Ad Hoc Analysis tool (v1)
- Concept Management Improvements
- Allow for concept merging and easier browsing through concepts and references terms without losing frame of reference.
- Improvements to Permissions (technical implementation)
- Burke Mamlin
- Needs discussion and design
- Would like input from implementations, PIH (Mark, Mike, David) AMPATH, Kenya EMR, BAMI/JSS
- Need to reach out for inputs!
- Kiran has started helping with this
- Provider Management
- Would include provider types and ability to retire the old provider management module. Will remove UI library module once provider management is in the core.
- NOT DONE
- Platform Someday
- Feature
- Description
- Status
- Comments
- Multiple concept classes per concept
- TRUNK-4540 - Getting issue details... STATUS
- Anonymous Patients
- Test Patients
- RA-65 - Getting issue details... STATUS
- Decision Support (v1)
- The first trivial example of providing decision-support feedback (includes significant design and back-end discussions)
- Clinical Encounter
- Record the entire clinical transaction piece-by-piece as part of a Session, as opposed to via a Form.
- Patient Lists
- e.g. "My Patients", "Inpatients on Service XYZ", etc. (Related to RA-202.)
- Program Enrollments
- v1: capturing this data; v2: drive available forms/actions based on program state

Milestones

Platform 2.3 (June 2019)

Release Manager: [Nathan Ruhanga](#) Release Mentor: [Samuel Male](#)

Operational Strategic Stretch Goal: Commence discussions on how to include decision support ; Output being a strategy paper with possible options

	Feature	Description	Status	Point of Contact	Comments
1	REST resource for Creating Order Group	RESTWS-680 - Getting issue details... <input type="button" value="STATUS"/>	IN PROGRESS		Need to ask product owner if they are still interested in continuing @ Yusuf Akhond
2	Upgrade our libraries			Burke Mamlin	Review of the palm file to better understand which libraries need upgrading; i.e. what libraries do we have and what is the latest for that version. We could write a maven command that can generate a report with libraries that need updating. From there we can determine what level of effort will be required to upgrade the library.
3	ObsResource needs to support time zones and more date formats	RESTWS-644 - Getting issue details... <input type="button" value="STATUS"/>	IN PROGRESS		
4	Bundle addon manager owa	PLAT-30 - Getting issue details... <input type="button" value="STATUS"/>	WAITING FOR TEST	Daniel Kayiwa	Need dev to do final testing. If we can find dev in the community, great; otherwise, Daniel will do.

Platform 2.4 (TBD 2019)

Release Manager: TBD

Operational Strategic Goal: Commence discussions on how to include decision support ; Output being a strategy paper with possible options

Feature	Description	Status	Point of Contact	Comments
Order Templates	https://talk.openmrs.org/t/order-templates/21564 .	NOT STARTED	Jonathan Dick	

Reference Application 2.10 (TBD 2019)

Ongoing talk post for [roadmap planning](#)

Optional Features for consideration in Ref 2.10:

	Feature	Description	Status	Point of Contact	Comments
1	Offline Capability				
2	Developing an upward/backward migration path				
3					

Reference Application 2.9 (April 2019)

Release Manager: [Reuben Varghese](#)

Feature	Description	Status	Point of Contact	Comments
Reference Application	<p>RA-995 - Getting issue details... STATUS</p> <p>RA-1383 - Getting issue details... STATUS</p> <p>RA-1485 - Getting issue details... STATUS</p> <p>RA-1513 - Getting issue details... STATUS</p> <p>RA-1503 - Getting issue details... STATUS</p> <p>RA-1511 - Getting issue details... STATUS</p>	RELEASED	Stephen Senkomago Musoke	<ul style="list-style-type: none"> These issues have had their respective PRs merged. They need to be tested thoroughly before being marked as complete. Instructions for testing will be posted soon.

Platform 2.2 (March 2019)

Release Manager: [Samuel Male](#) and [Irene Nyakate](#)

Feature	Description	Status	Point of Contact	Comments
Idgen	<p>IDGEN-33 - Getting issue details... STATUS</p> <p>IDGEN-42 - Getting issue details... STATUS</p>	DONE	Mike Seaton / Mark Goodrich	<p>IDGEN-42 was being worked on by Daniel Kayiwa, but he is busy with multitasking, so we need to find someone to take this on.</p> <p>tendo kiiza Martyn picked it up and is working on this Issue</p> <p>Samuel Male planning to help Tendo finish the ticket after exams (tomorrow)</p>
Encounter Diagnosis	<p>TRUNK-5015 - Getting issue details... STATUS</p> <p>Subtask:</p> <p>TRUNK-5342 - Getting issue details... STATUS</p>	DONE		Daniel Kayiwa closed this ticket after all work on it was done.
Provider Roles	TRUNK-4791 - Getting issue details... STATUS	DONE	Mark Goodrich	Finished by Wyclif Luyima and a followup ticket created as RA-1174 for the remaining work in the reference application.
Creatable, Changeable interfaces	TRUNK-4917 - Getting issue details... STATUS	DONE	Wyclif Luyima	

Program Enrollment Attributes	<p>TRUNK-4755 - Getting issue details...</p> <p>STATUS</p>	DONE	Daniel Kayiwa, Steven Musoke	Daniel Kayiwa made a followup commit for the remaining minor issues.
Bundle addon manager owa	<p>PLAT-30 - Getting issue details...</p> <p>STATUS</p>	IN PROGRESS	Daniel Kayiwa	Need dev to do final testing. If we can find dev in the community, great; otherwise, Daniel will do.

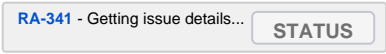
Reference Application Someday

Feature	Description	Status	Point of Contact	Comments
Add Order Entry UI	Add some sort of user interface for doing order entry.		Daniel Kayiwa	We could polish up the orderentryui module, or do an OWA from scratch. Whichever we find easier.
Add Patient Flags Module		NOT DONE		Still under development
Responsive ability to the clinician facing dashboard	<p>RA-1285 - Getting issue details...</p> <p>STATUS</p>	NOT DONE		
Core and modules to advertise capabilities that can be configured and manipulated	<p>RA-1292 - Getting issue details...</p> <p>STATUS</p>	NOT DONE		Not started

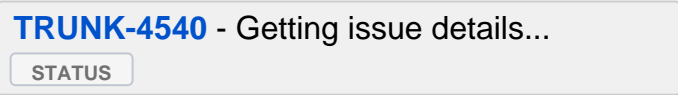
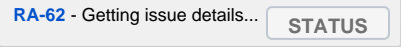

<p>MPI enhance ments to Registrati on App and Registrati on Core</p>	<p>Production quality integration with OpenEMPI using HL7 v3 PIX/PDQ messaging standards</p>	<p>IN PROGRESS</p>	<p>Nathael Hyppolite</p>	<p>Discussion on talk.</p>
<p>Pre-built Reportin g Tools</p>	<p>This includes the ability to do several things.</p> <ol style="list-style-type: none"> 1. Run a report for a patient directly form the patient dashboard. <p>RA-381 - Getting issue details... STATUS</p>	<p>IN PROGRESS</p>	<p>Mike Seaton</p>	<p>Patient summary module does not provide adequate configuration and doesn't work in Ref App.</p> <p>27-March: We could include Reporting REST documentation that Darius Jazayeri and the Andela team have done.</p>
<p>OCL subscripti on module</p>	<p>Using KenyaEMR as a use case, create a tool for subscribing an OpenMRS instance to a dictionary (e.g. the CIEL dictionary)</p>	<p>BETA</p>	<p>Nicholas Ingosi and Rafa ? Korytkowski</p>	<p>OCLM-24 - Getting issue details... STATUS</p>
<p>Retrospe ctive data entry</p>	<p>Basic support for retrospective data entry within the Reference Application</p> <p>RA-68 - Getting issue details... STATUS</p>	<p>NOT STARTED</p>		<p>Needs a user centric story - add to existing ticket</p>
<p>OpenMR S Web Framewo rk</p>	<p>From discussions in #MOZ15, we would like for the OpenMRS Platform to evolve toward providing a web framework that allows developers to add functionality using standard development tools (e.g., HTML5 + JavaScript against REST services, AngularJS apps, OWA , ...).</p>	<p>IN DESIGN</p>	<p>Burke Mamlin</p>	<p>Ranking REST tickets on 5 Aug design call.</p> <p>Burke Mamlin and Darius Jazayeri discussed 24-July-2015 and Darius will make a Talk topic to move this forward.</p> <p>Bahmni technical deep dive scheduled for 4 June Developers Forum.</p> <p>17 June design forum will discuss progress (coordinating various efforts). As well as look at how to make REST services more robust. Darius still working w/ Bahmni on fundamental pieces of their web framework to pull into OpenMRS (will talk about this on future call).</p> <p>25 June dev forum on REST web services: how to substantially improve them W/ Burke Mamlin & Darius Jazayeri</p>

Vertical Packaging	<p>OpenMRS has a lot of flexibility and extensibility with a central concept dictionary, RBAC, forms, reports, modules, and apps; however, it's not always easy to know which metadata goes with which functionality. The goal of vertical packaging is to define best practices for managing and relating all of the components (metadata & behavior) that work together to solve a particular problem within OpenMRS. Eventually, we envision a way that someone could easily add the MDRTB package to their OpenMRS implementation to begin treating MDRTB patients... or upgrade their Oncology package, etc.</p>	<p>IN DESIGN</p>	<p>Rafal Korytkowski</p>	<p>Need to look at the design we had and see if we can get it in 2.3</p> <p>Burke Mamlin to share first draft of metadata mapping design on Talk.</p> <p>First step will be to add ability to map metadata, 22 June design forum</p> <p>Discussed on 20 May design forum.</p>
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<p>Condition List</p>	<p>Manage & view patient problems (e.g., on the patient dashboard and integrated with diagnosis capture)</p> <p>EA-40 - Getting issue details... STATUS</p> <p>See also: RA-209 - Getting issue details... STATUS</p> <ul style="list-style-type: none"> RA-580 - Getting issue details... STATUS 	<p>IN PROGRESS</p> <p>see Condition List board</p>	<p>Daniel Kayiwa Ravinder Kumar</p>	<p>Daniel took a look at condition list to see what we need to do to get the API in 2.3 and believes if we do not get volunteers on admin sprint then condition list will not be ready.,</p> <p>13 April WIP given on design call</p> <p>1 June design forum to define how encounter diagnoses should work with conditions (and condition list).</p> <p>Talked w/ Bahmni BA (Saranya) about use cases and requirements on 15 June design forum</p>
<p>Basic Order Entry for meds and tests</p>	<p>Basic ordering of meds and tests "out of the box" in Reference Application.</p>	<p>IN DESIGN</p>		
<p>Ad Hoc Analysis tool (v1)</p>	<p>Incorporate new cohort definition tool.</p> <p>RA-261 - Getting issue details... STATUS</p>	<p>STALLED</p>		

Concept Management Improvements	Allow for concept merging and easier browsing through concepts and references terms without losing frame of reference.			
Improvements to Permissions (technical implementation)	Avoid giving all API privileges to users 	NOT DONE	Burke Mamlin	Needs discussion and design Would like input from implementations, PIH (Mark, Mike, David) AMPATH, Kenya EMR, BAMII/JSS Need to reach out for inputs! Kiran has started helping with this
Provider Management	Would include provider types and ability to retire the old provider management module. Will remove UI library module once provider management is in the core.	NOT DONE		

Platform Someday

Feature	Description	Status	Comments
Multiple concept classes per concept		NOT DONE	
Anonymous Patients	Support for unnamed John Doe patients 	NOT DONE	
Test Patients	Support for tagging & recognizing test/fake patients, so they can be ignored within reports. 	NOT DONE	
Decision Support (v1)	The first trivial example of providing decision-support feedback (includes significant design and back-end discussions)		

Clinical Encounter	Record the entire clinical transaction piece-by-piece as part of a Session, as opposed to via a Form.		
Patient Lists	e.g. "My Patients", "Inpatients on Service XYZ", etc. (Related to RA-202.)		
Program Enrollments	v1: capturing this data; v2: drive available forms /actions based on program state		