3.x Appointment Management

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General Plan

Adopt Bahmni Appointments into 3.x as a micro-frontended, carbonized application.

Why Bahmni Appointments

- It's easy to integrate - it's a separate (React) web app also running on the OpenMRS backend. This means that with O3 one needs to run two frontends on the same backend (this is done with Nginx typically):
  - Frontend 1: O3
  - Frontend 2: Bahmni Appointments
  - Backend: OpenMRS
- It's a bridge with the Bahmni Coalition. A way to come together with Bahmni.
- It is the OpenMRS appointments app of MSF-OCP and ICRC, and will remain as such, so that also increases the chance of ongoing maintenance.
- Iniz already provides support for some of its metadata.
- It has been tested and used in the real-world and it does the job (and it is in production virtually on all Bahmni impls out there that are recent enough to have it).

Reference Resources

- Bahmni Appointment Scheduling documentation (high-level, with screenshots): https://bahmni.atlassian.net/wiki/spaces/BAH/pages/32604198/Appointment+Scheduling
- 2.x RefApp Appointment Scheduling Module: https://wiki.openmrs.org/x/DICiAg
- 2.x RefApp End User Guide to Scheduling Appointments: https://wiki.openmrs.org/x/pQEeDQ
- Previous User Stories / Requirements: Appointment Module

Questions

☐ Is it clear for us how each of these should appear in 3.x UI/how they should be “carbonized”? https://bahmni.atlassian.net/wiki/spaces/BAH/pages/32604198/Appointment+Scheduling

Next Steps (updated 2022-01-26)

☐ Get Bahmni Appointments successfully loaded into O3 RefApp - Ian Bacher
  - A fix for the atomfeed issue (previous blocker) is available. https://bahmni.atlassian.net/browse/AP-12
  - Ian to install Bahmni Appointments on local version of dev3 with the new version of atomfeed
  - If this works (aka doesn't crash the system), then we'll install Bahmni Appointments onto O3/SPA again.
☐ Share project w/ Community on Talk (e.g. ask for users for design session; resources to share) - Grace Potma
☐ Should probably have an alignment Call or Post btwn interested parties - Palladium, Mekom, ICRC, UCSF, Bahmni, PIH (David)
☐ Confirm we agree on Plan, Q1 Objectives, and
Requirements Brainstorming

Pieces of Appointments:

- **Book an Appointment**
  - Outside of Patient Chart (e.g. Via a General Schedule interface)
  - Inside Patient Chart: “Add Appointment” via Appointment page
  - Inside Patient Chart: In Form workflow, set next appointment date (and see any clashing appointments)
  - By Patient themselves (out of scope)
    - Support for just date OR date and time
    - Support for no provider OR specific provider
  - Handle walk-ins or folks who come before or after their scheduled date
- **See Booked Appointments**: Daily View, Weekly View, Monthly View
  - Outside of Patient Chart: General Schedule interface Edit individual item
  - Inside Patient Chart: Appointments widget Edit individual item
- **Find and Change a Booked Appointment (e.g. change date, time, provider...)**
  - Outside of Patient Chart: General Schedule interface Edit individual item
  - Inside Patient Chart: Appointments widget Edit individual item
- **Settings & Config (Admin-facing)**

Appointment Solution Comparison Across Existing EMRs

See sub page: https://wiki.openmr.org/x/CQ7DDw