

Known issues and possible future improvements

- There is a risk that some QR codes on medical packagings cannot be scanned.
- Notifications for some user actions have not been implemented. For example, when successfully scanning a QR code, there is no indication provided that the action was successful. The same goes for deletion of an entry in the expiration screen.

Dev note: For further development, a solution similar to "[A dropdown alert package for flutter \(flutterawesome.com\)](#)" is suggested.

- The color scheme is suboptimal. Thus, certain text might be hard to read and the application may not be so aesthetically pleasing.
- There is no introduction screen, which may cause confusion for new users.

Dev note: The dart package "[introduction_screen | Flutter Package \(pub.dev\)](#)" could be used for an effective implementation.

- The home screen is fairly bare bones.

Technical improvements

- There are some security considerations:
 - The most important one being that users can access the application from everywhere. If the application is to be used solely on the hospital, then the Database (DB) should have it's user permissions altered to only access from Region Skåne Ystad wifi.
 - The webhook that is set up for development purposes is unsecured. This opens up for potentially malicious code being sent to the virtual machine (VM). This is of course only possible, should unauthorized personel have access to the repository. Considering that the repository is not open source, this seems far unlikely. Securing the webhook shouldn't be incredibly challenging though.
 - Back ups would be good to have done regularly, however the specifics of this would need to be discussed with stakeholders.
- The webhook currently runs on the same serverport as all other endpoints. This isn't great, since deploying a change to the server application which breaks it, will cause the webhook to be unable to run. A suggested fix would be to have the webhook run on a separate server port. In addition, there should be a control that rejects changes made to the server application which breaks it.
- The VARA server application isn't automated. The intention is to have the application run once a day during off hours. However, due to uncertainties revolving around VM capabilities, the server application has not been deployed to the VM.
- Entries without links to table DepartmentEntryLinks are not deleted. Over time, this will lead to unnecessary and unused data taking up space in the Entries table. An SQL trigger solution is suggested and has been written. This can be found in the DB documentation, however the trigger remains untested and is thus not implemented.