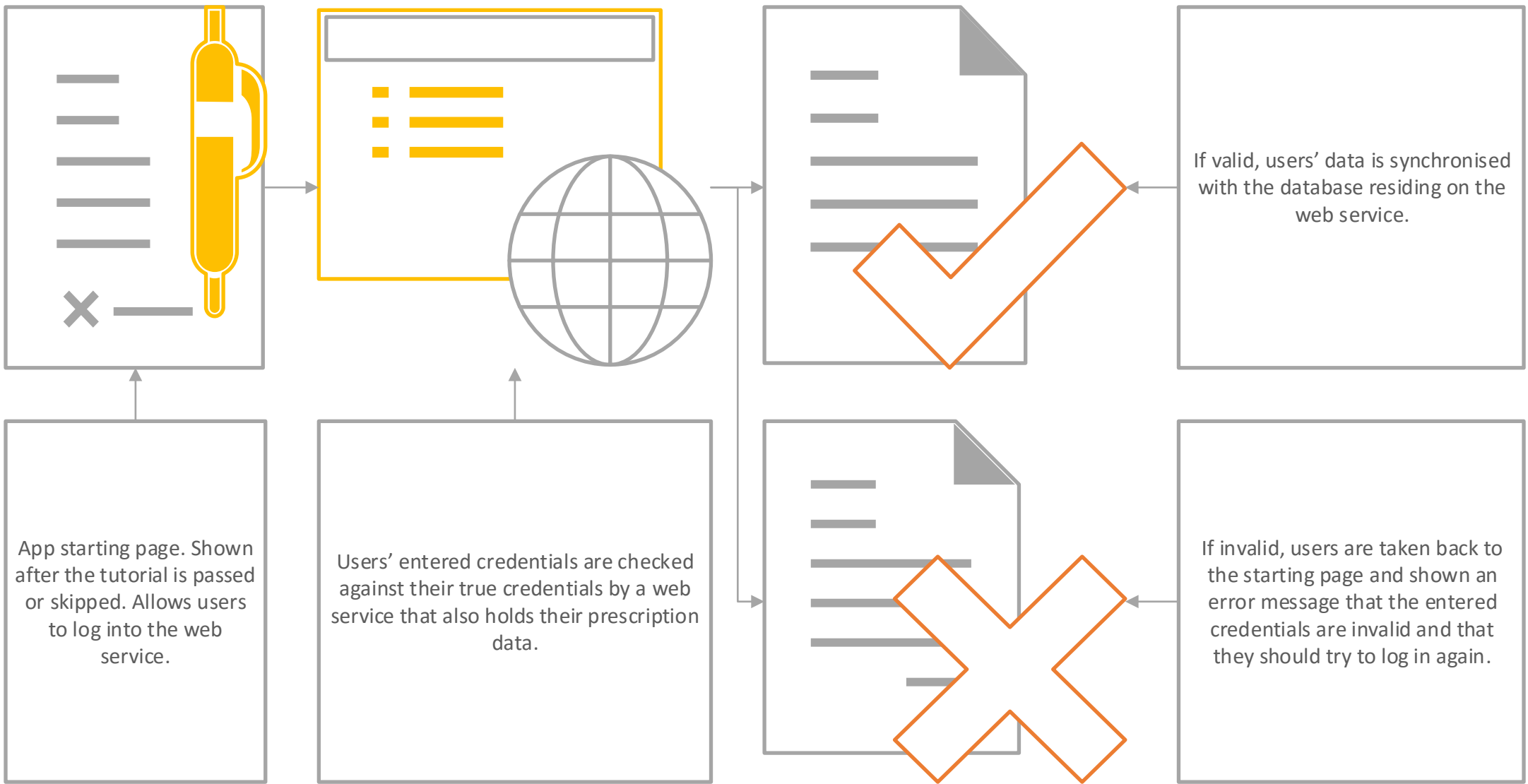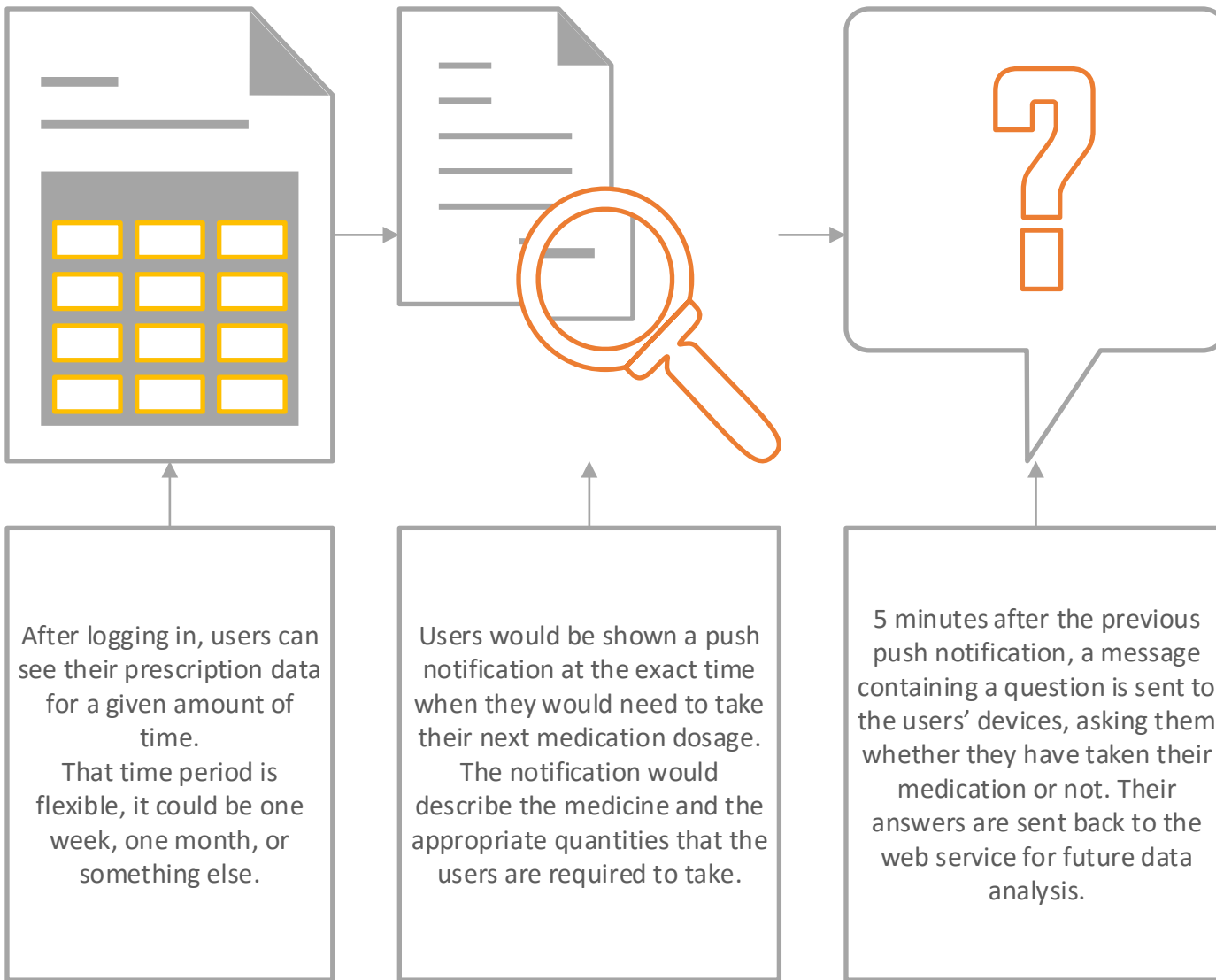App starting page on its
first launch.
Welcome page of the
tutorial.
Explains how to navigate
through the tutorial and
how to skip it.

Second page of the
tutorial.
Explains how to log into
the web service.

Third page of the tutorial.
Explains how to see the
prescriptions.

Fourth page of the tutorial.
Explains how to respond to messages
regarding adherence.

App starting page. Shown after the tutorial is passed or skipped. Allows users to log into the web service.

Users' entered credentials are checked against their true credentials by a web service that also holds their prescription data.

If valid, users' data is synchronised with the database residing on the web service.

If invalid, users are taken back to the starting page and shown an error message that the entered credentials are invalid and that they should try to log in again.

After logging in, users can see their prescription data for a given amount of time.
That time period is flexible, it could be one week, one month, or something else.

Users would be shown a push notification at the exact time when they would need to take their next medication dosage.
The notification would describe the medicine and the appropriate quantities that the users are required to take.

5 minutes after the previous push notification, a message containing a question is sent to the users' devices, asking them whether they have taken their medication or not. Their answers are sent back to the web service for future data analysis.

A notification would contain
something like the following,
for example:

@ 09:00 on Monday
-200 mg Ibuprofen
-150 ml Water

5 minutes after the previous push notification, a message containing a question is sent to the users' devices, asking them whether they have taken their medication or not. For example:

@ 09:05 on Monday
Did you take the following?
-200 mg Ibuprofen
-150 ml Water

The right side of the devices' screens would act as a big confirmation button, allowing users to reply positively to the question.

The left side of the devices' screens would act as a big negation button, allowing users to reply negatively to the question.

Their answers are sent to the web service for future data analysis. This analysis could be anything from doctors tracking how their patients are taking their medication, to researching how smartphones and smartwatches help improve patients' medical adherence.