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| **FR 1** | **Authentication** |
| **FR 1.1** | User must be able to authenticate themselves using their credentials |
| **FR 1.2** | User must be notified if the password they enter is incorrect |
| **FR 1.3** | User will be notified if the authentication failed due to connection issues |
| **FR 1.4** | User must be able to logout of the system, removing all data |
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| **FR 2** | **Database synchronisation** |
| **FR 2.1** | After login or when the user presses update the application must truncate all database tables and begin downloading new data |
| **FR 2.2** | Download complete list of drug indexes from database |
| **FR 2.3** | Download complete list of drugs and drug information’s |
| **FR 2.3** | Download all information needed for calculating doses and infusion rates. |
| **FR 2.4** | Download must still run when the application is in the background |
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| **FR 3** | **Menu options** |
| **FR 3.1** | Upon pressing the Menu button on the device the user will be presented with a list of available options, which execute tasks (Logout, exit, search…) |
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| **FR 4** | **Main screen** |
| **FR 4.1** | Upon successful data download the user will be displayed with a screen where they can navigate to other parts of the application |
| **FR 4.2** | User will be see when an update was last performed, and perform an update from this screen. |
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| **FR 5** | **Browse drugs** |
| **FR 5.1** | This screen will allow the user to view a list of all drugs |
| **FR 5.2** | There will be an input box on this screen, when the user enters text into the input box the results in the list will be filtered to only show results related to the input |
| **FR 5.3** | The user will be able to click a drug in the list to open a new screen displaying the needed information |
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| **FR 6** | **View drug** |
| **FR 6.1** | When a drug has been selected the drug and all it’s information will be displayed in an easy to read format |
| **FR 6.2** | Where drug information headers contain help information, a help icon will be displayed next to the header. |
| **FR 6.3** | When heading help icon is clicked the helping information will be displayed |
| **FR 6.4** | If the drug had calculator information, then a button to open the calculator should be shown |
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| **FR 7** | **Browse drugs with calculators** |
| **FR 7.1** | A view similar to the browse drugs view will allow the browsing of drugs that contain calculator information. |
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| **FR 8** | **Calculate dose and infusion rate** |
| **FR 8.1** | The user will be able to select calculation type |
| **FR 8.2** | User will be able to enter information required for the calculation |
| **FR 8.3** | When the calculate button has been clicked the input will be thoroughly validated |
| **FR 8.4** | After validation the result of the calculation will be displayed to the user |
| **FR 8.5** | The equation and values used to calculate the answer will be neatly displayed to the user |
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| **FR 9** | **XML customisability – for developers** |
| **FR 9.1** | All text within the application must be changeable through XML files. |
| **FR 9.2** | The structure of the XML API’s provided must be outline within XML files, allowing easy customisation for different API’s |