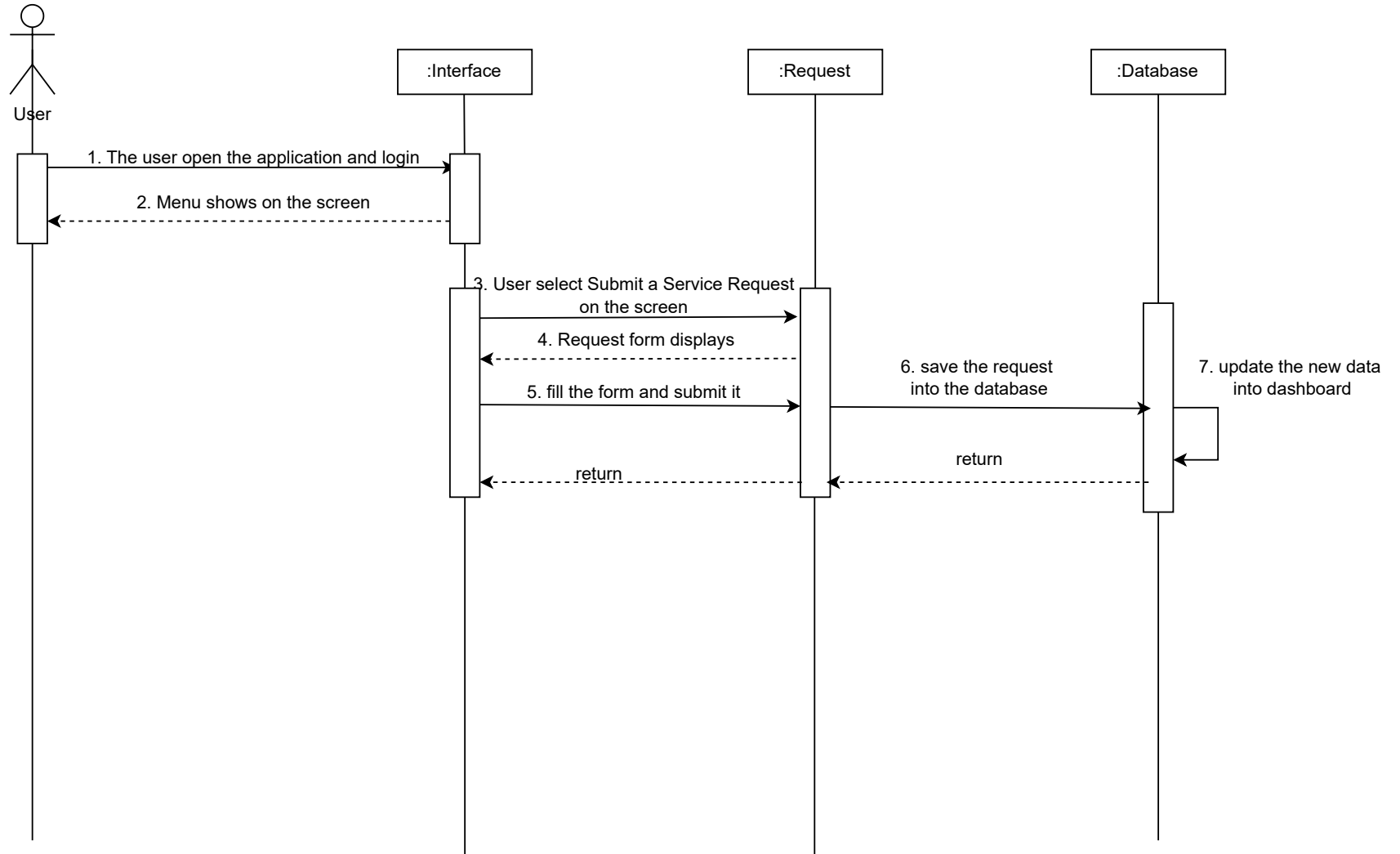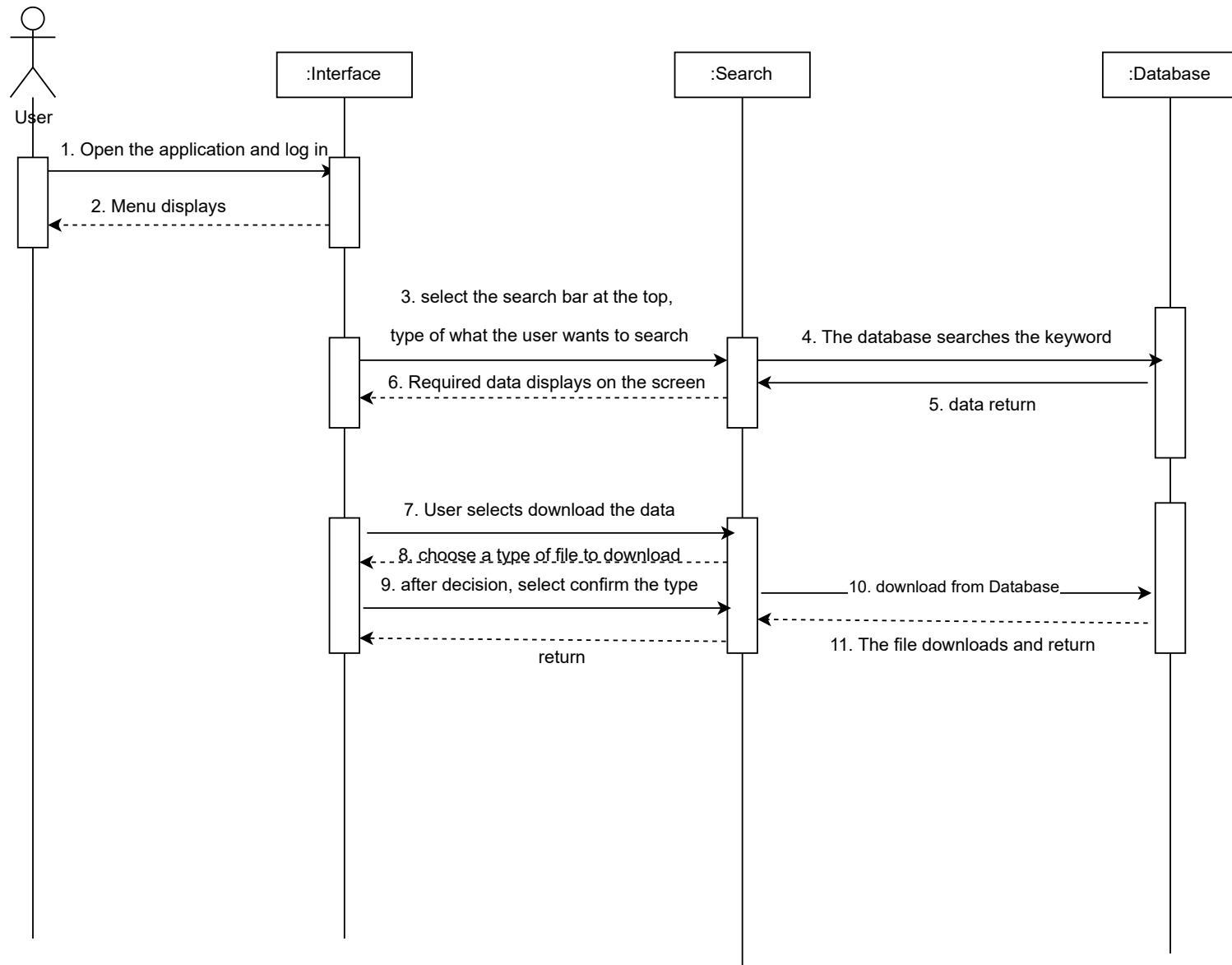# Sequence Diagram

1. Submission of Drainage Service Request
Run the application, select 'Serivce Request', then the request form is displayed on the page. The user fills out the form and submits it. The database saves the request and sends it to the dashboard for updating, returning at the end.

User

:Interface

:Request

:Database

1. The user open the application and login

2. Menu shows on the screen

3. User select Submit a Service Request on the screen

4. Request form displays

5. fill the form and submit it

6. save the request into the database
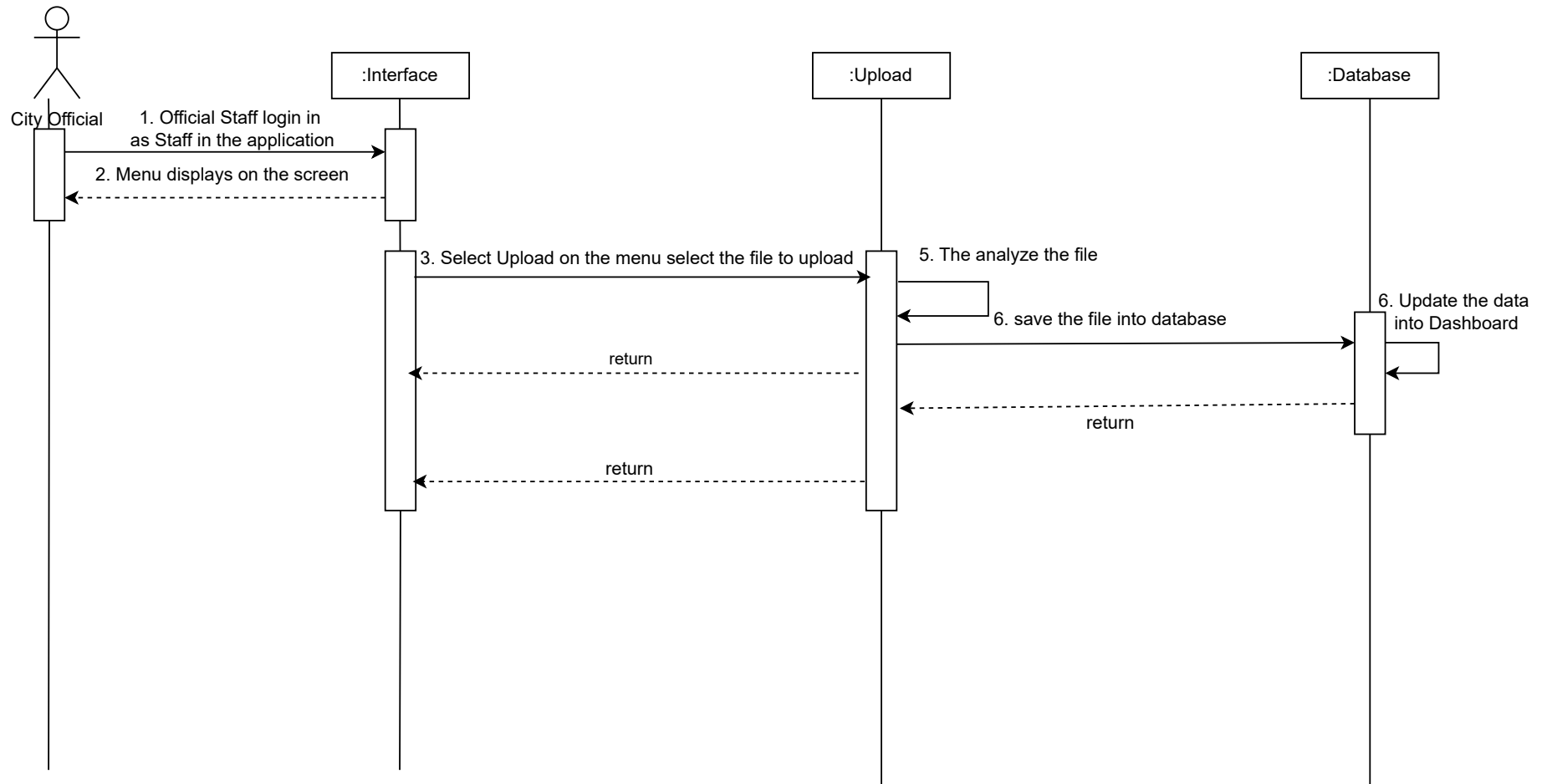
7. update the new data into dashboard

return

return

2. Check the drainage service.
Open the application and select Search Bar. Then Type what the user wants to search, and select the search button. The database searches the information and displays the details on the screen. The user can select the download button and choose the type of file then download the data with the file they chose.

User

:Interface

:Search

:Database

1. Open the application and log in

2. Menu displays

3. select the search bar at the top,
type of what the user wants to search

4. The database searches the keyword

6. Required data displays on the screen

5. data return

7. User selects download the data

8. choose a type of file to download

9. after decision, select confirm the type

10. download from Database

return
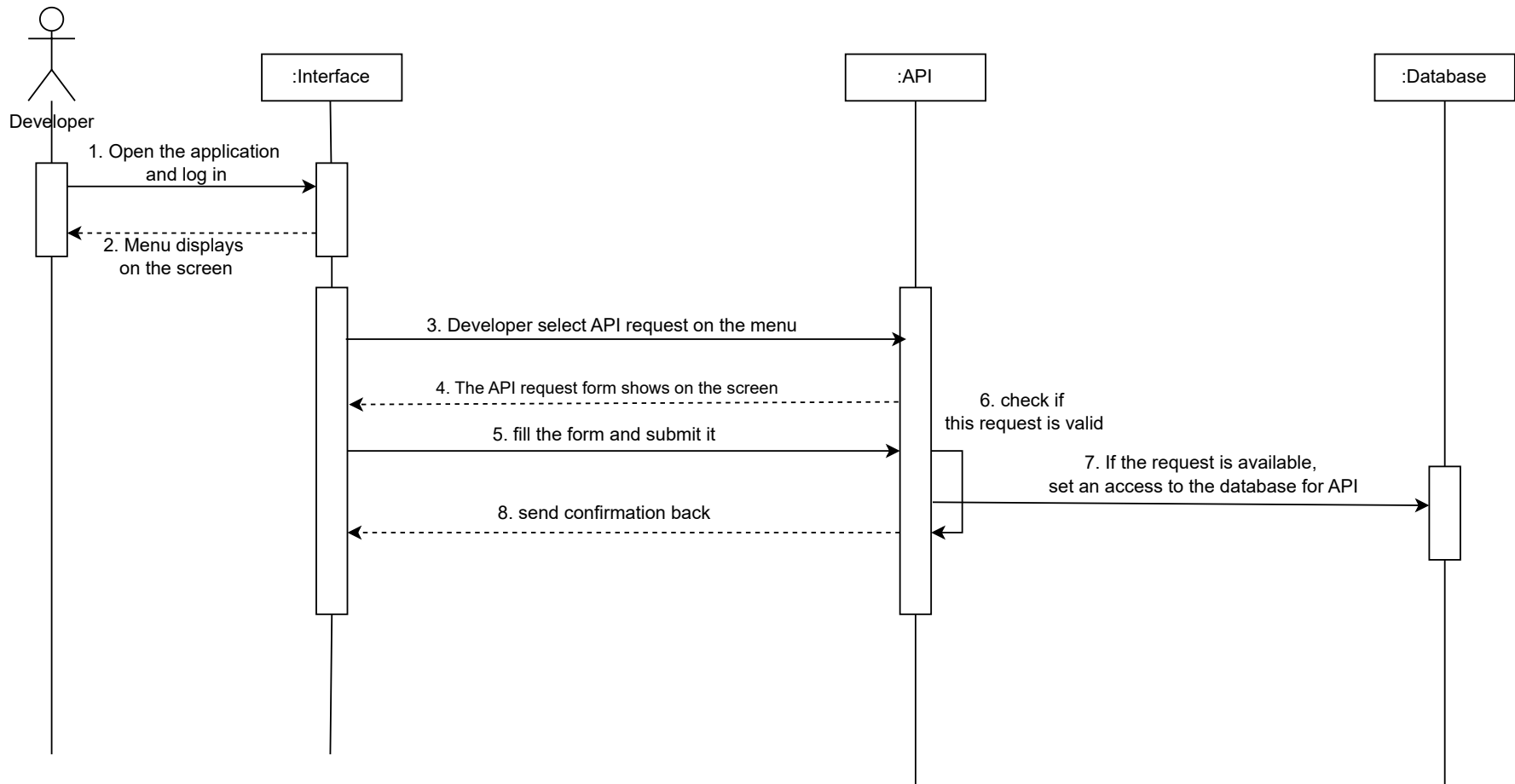
11. The file downloads and return

3. upload and manage the data of drainage service
the official staff opens the application and needs to log in first,
then upload the file about the drainage service. Database
analyzes and saves the data, sends data to the dashboard, and
updates the dashboard.
Return at the end.

City Official

:Interface

:Upload

:Database

1. Official Staff login in
as Staff in the application

2. Menu displays on the screen

3. Select Upload on the menu select the file to upload

5. The analyze the file

6. save the file into database

6. Update the data
into Dashboard

return

return

return

4. Access API
The developer runs the application first and select 'API Request' button. Then, they fill the form of API request and submits it. The application check the API key, if it's valid, then send confirmation and access to database.

Developer

:Interface

:API

:Database

1. Open the application and log in

2. Menu displays on the screen

3. Developer select API request on the menu

4. The API request form shows on the screen

6. check if this request is valid

5. fill the form and submit it

7. If the request is available, set an access to the database for API

8. send confirmation back

5. Feedback
The user open the application, and select feedback on the menu. The user fill the form of feedback,, and submit it. After that, The application receives and save the feedback into the database.

User

:Interface

: Feedback

:Database

1. Open the application and log in

2. Menu displayed

3. Select Feedback selection from the menu

4. Feedback form displays on the screen

5. Submit the feedback form.

6. the application receives the feedback and store it into the database

7. confirmation

return