

Level-0

App Store
(Play / iOS)

Mobile OS
(Android/iOS)

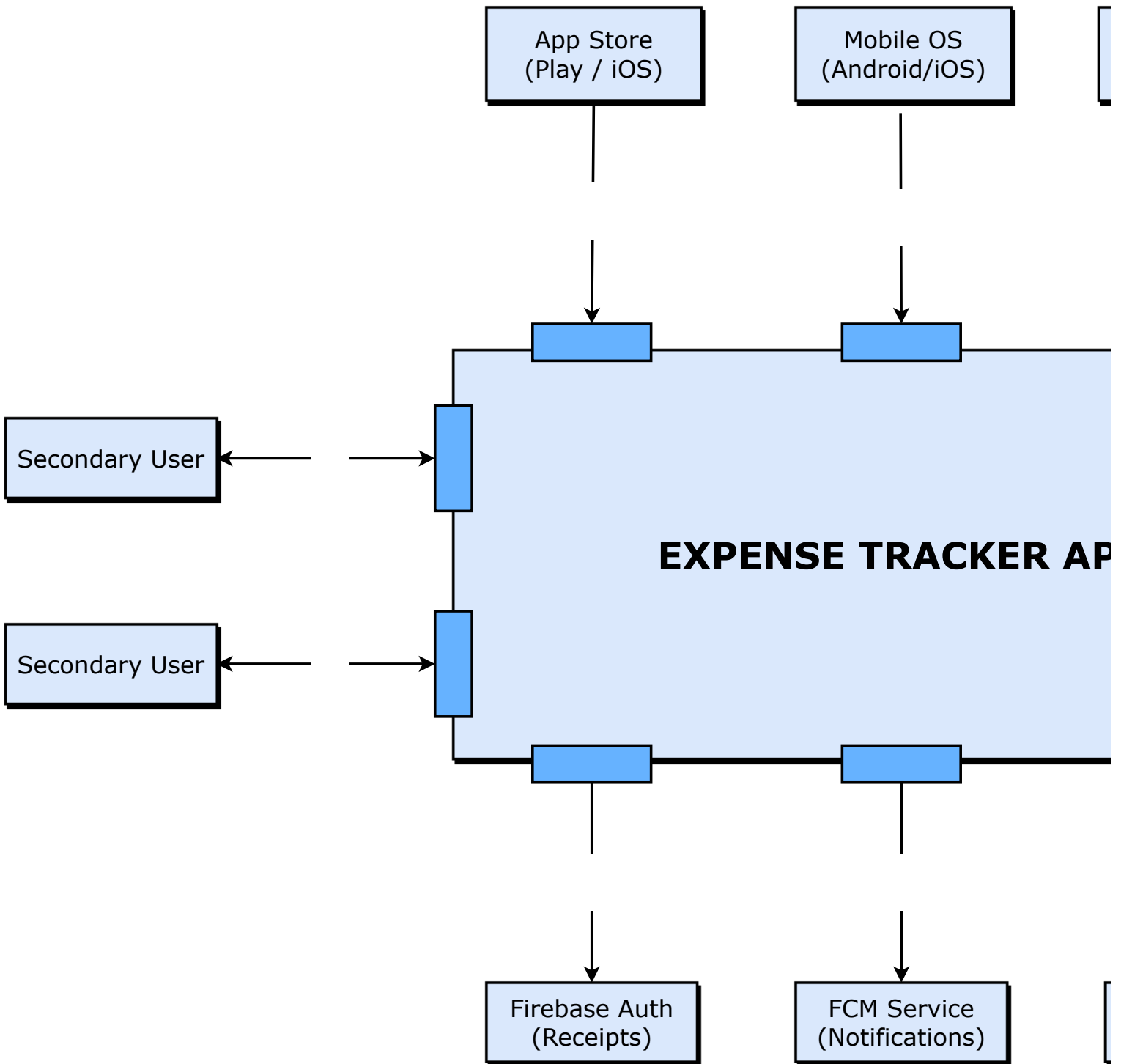
Secondary User

Secondary User

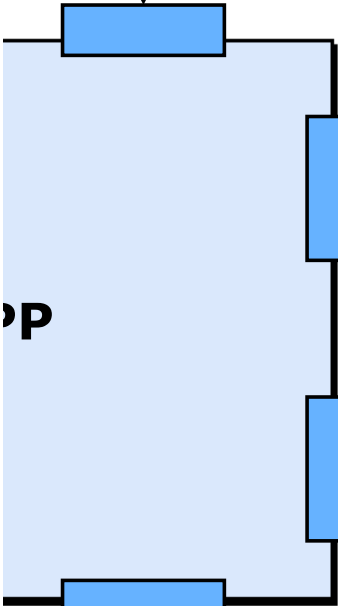
EXPENSE TRACKER AP

Firebase Auth
(Receipts)

FCM Service
(Notifications)



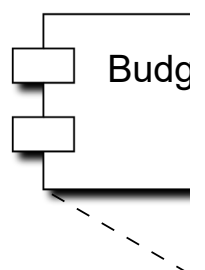
Device HW
(Camera, NFC)

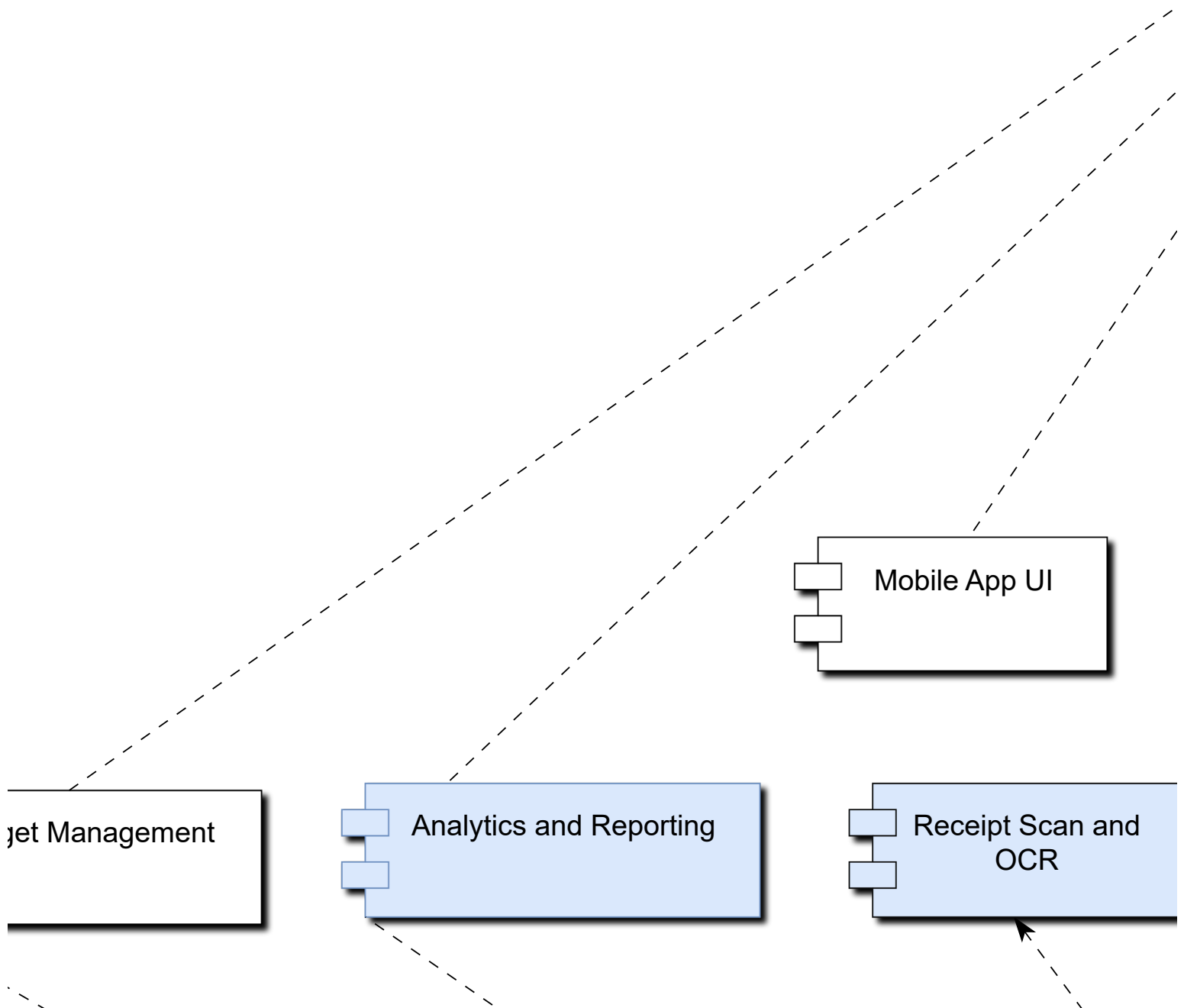


Firestore DB
(Cloud Storage)

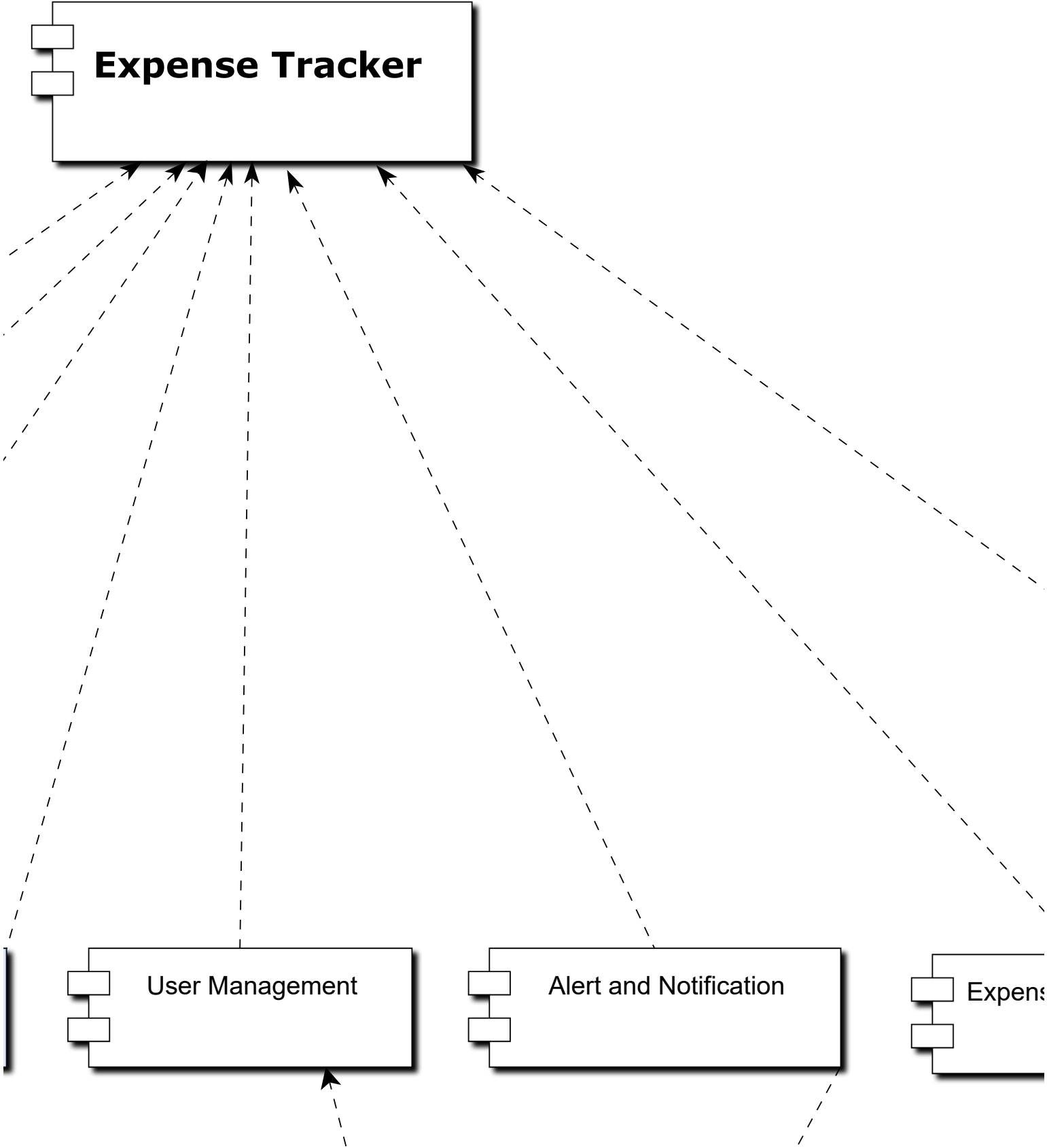
ML Engine
(AI Insights)

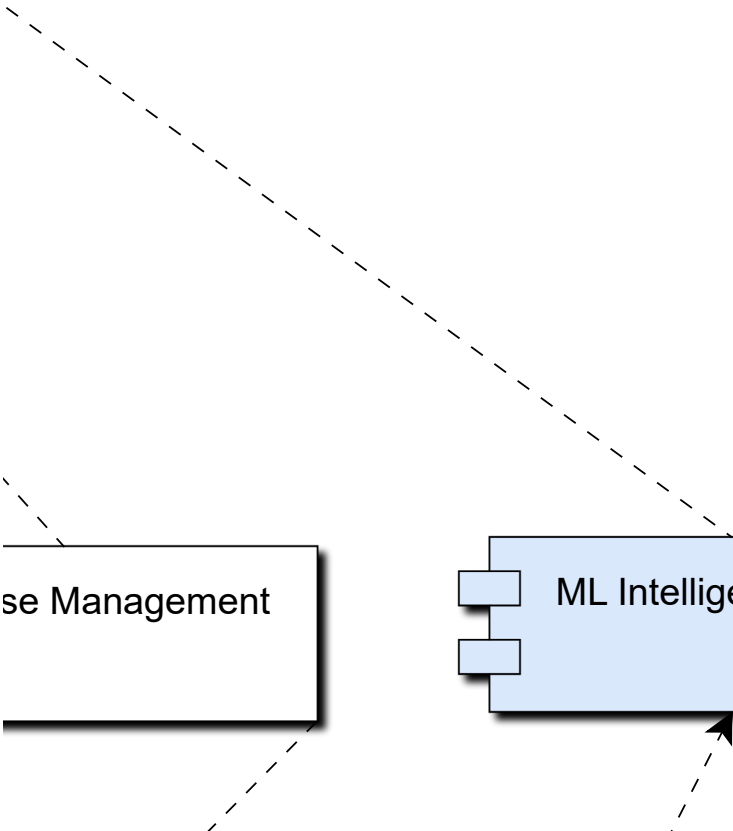
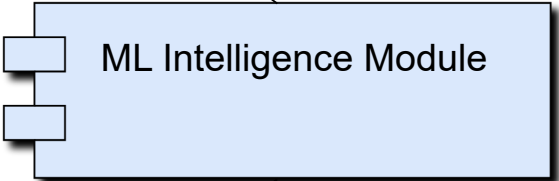
OCR Service
(Receipt Scan)





Top-Level Component Diagram





Level-1

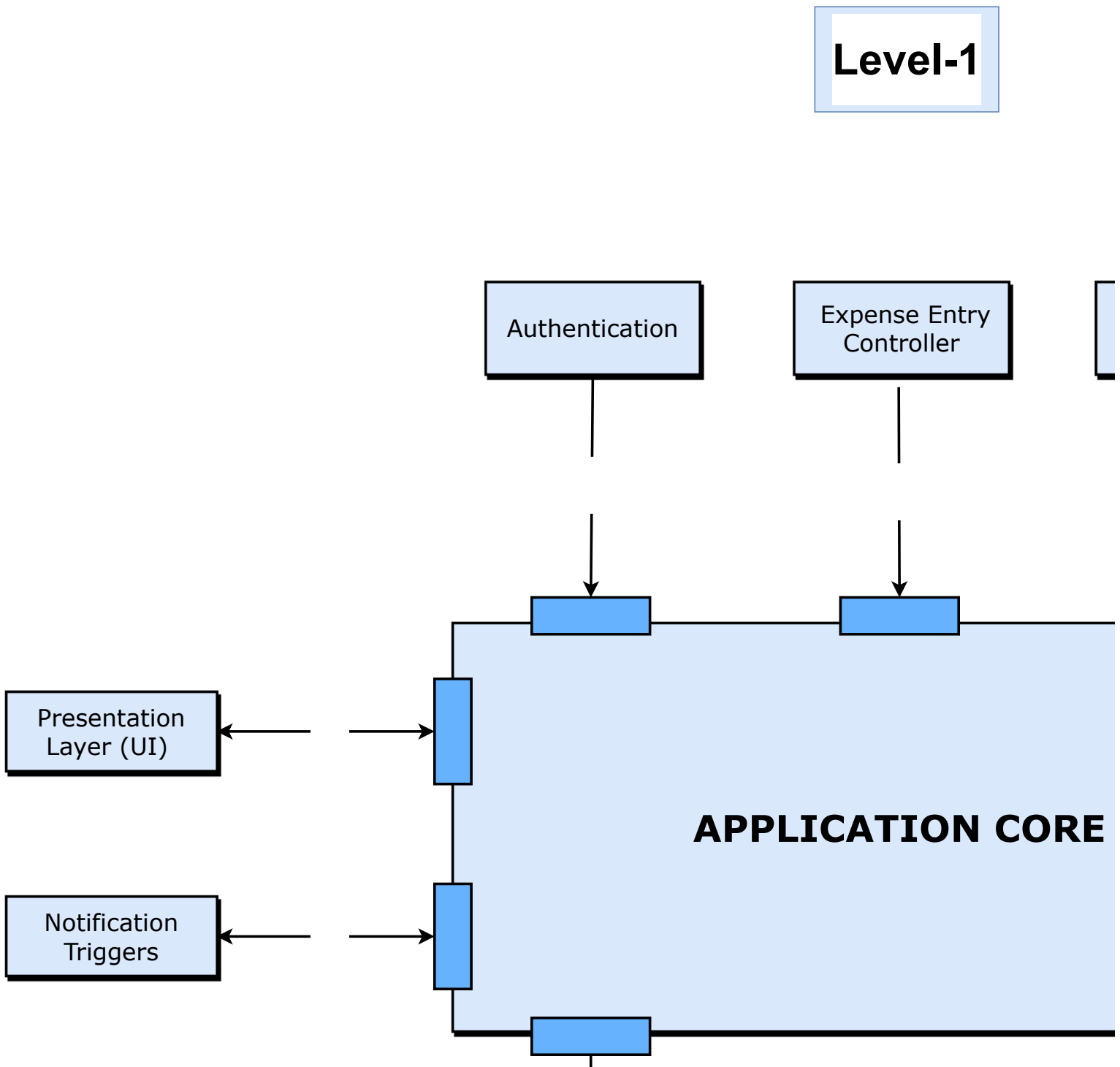
Authentication

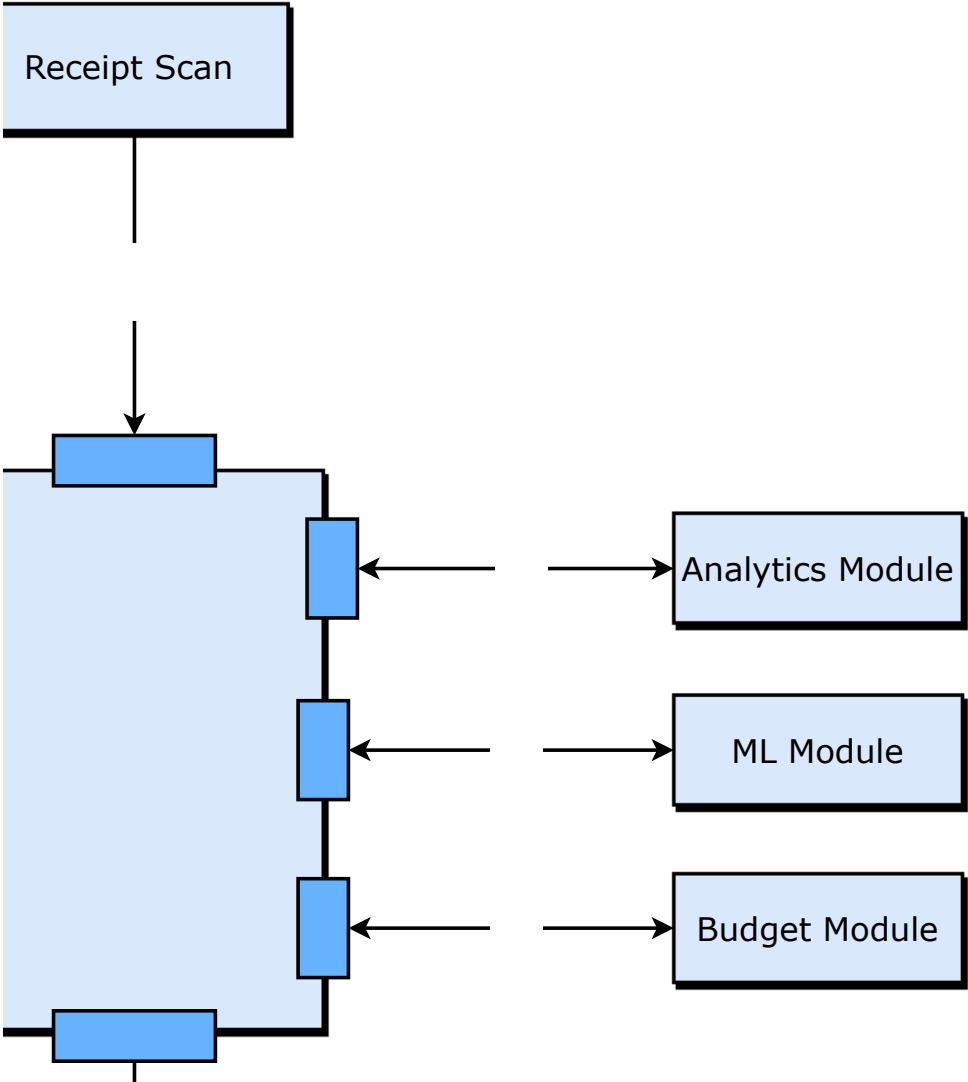
Expense Entry
Controller

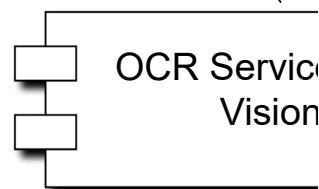
Presentation
Layer (UI)

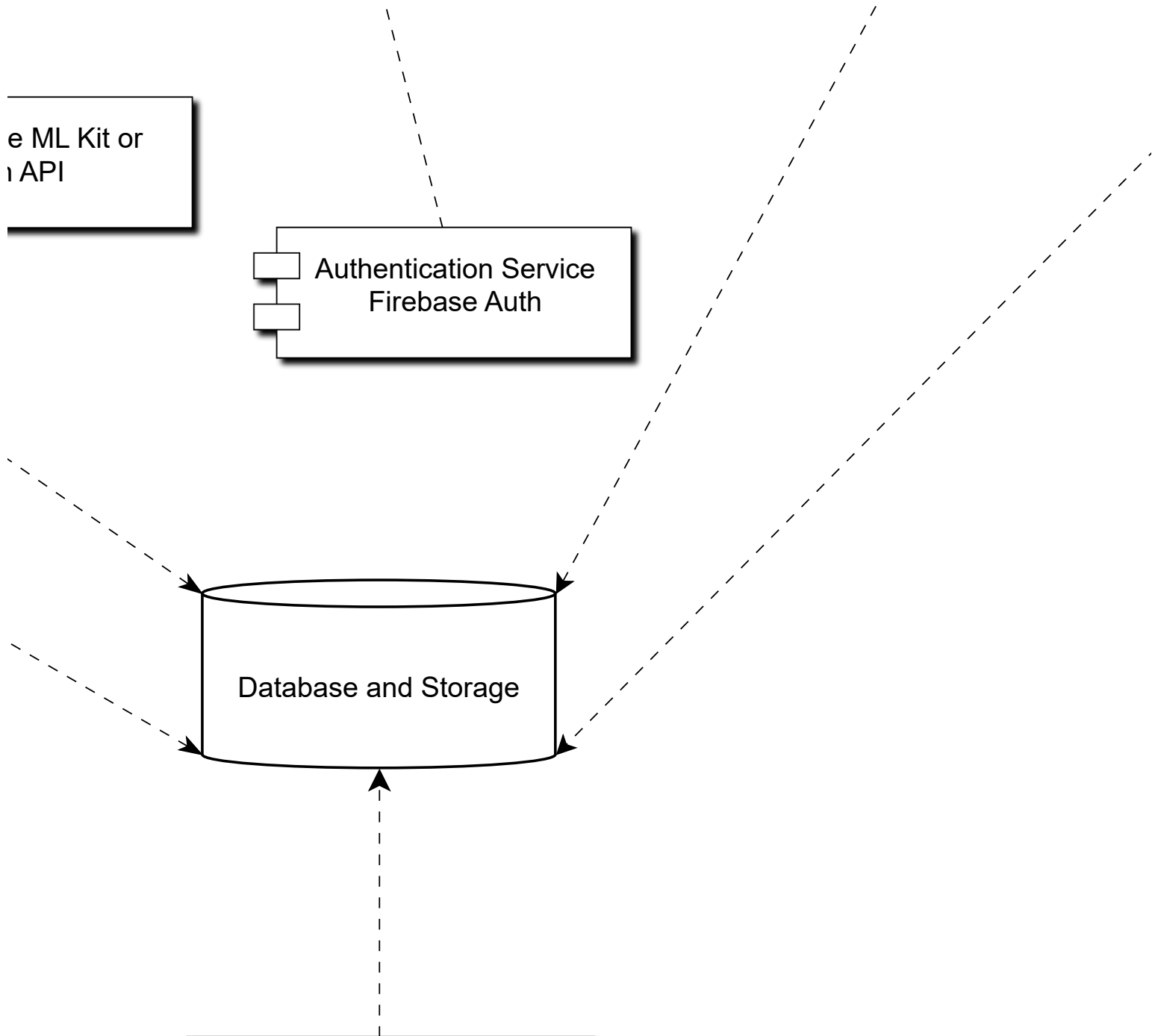
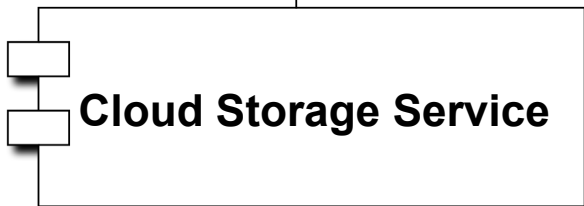
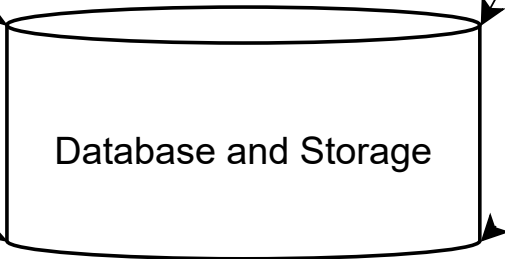
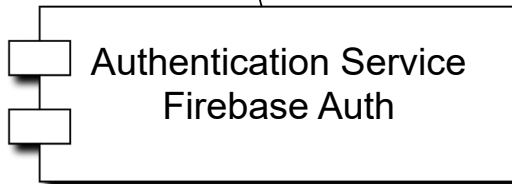
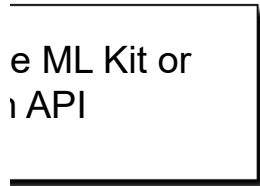
Notification
Triggers

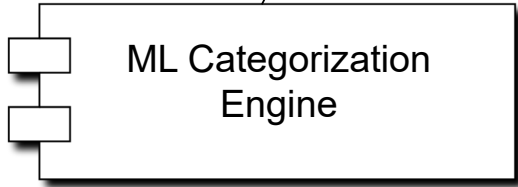
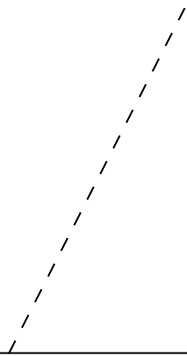
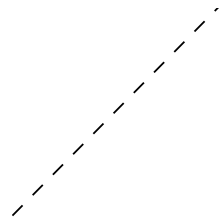
APPLICATION CORE

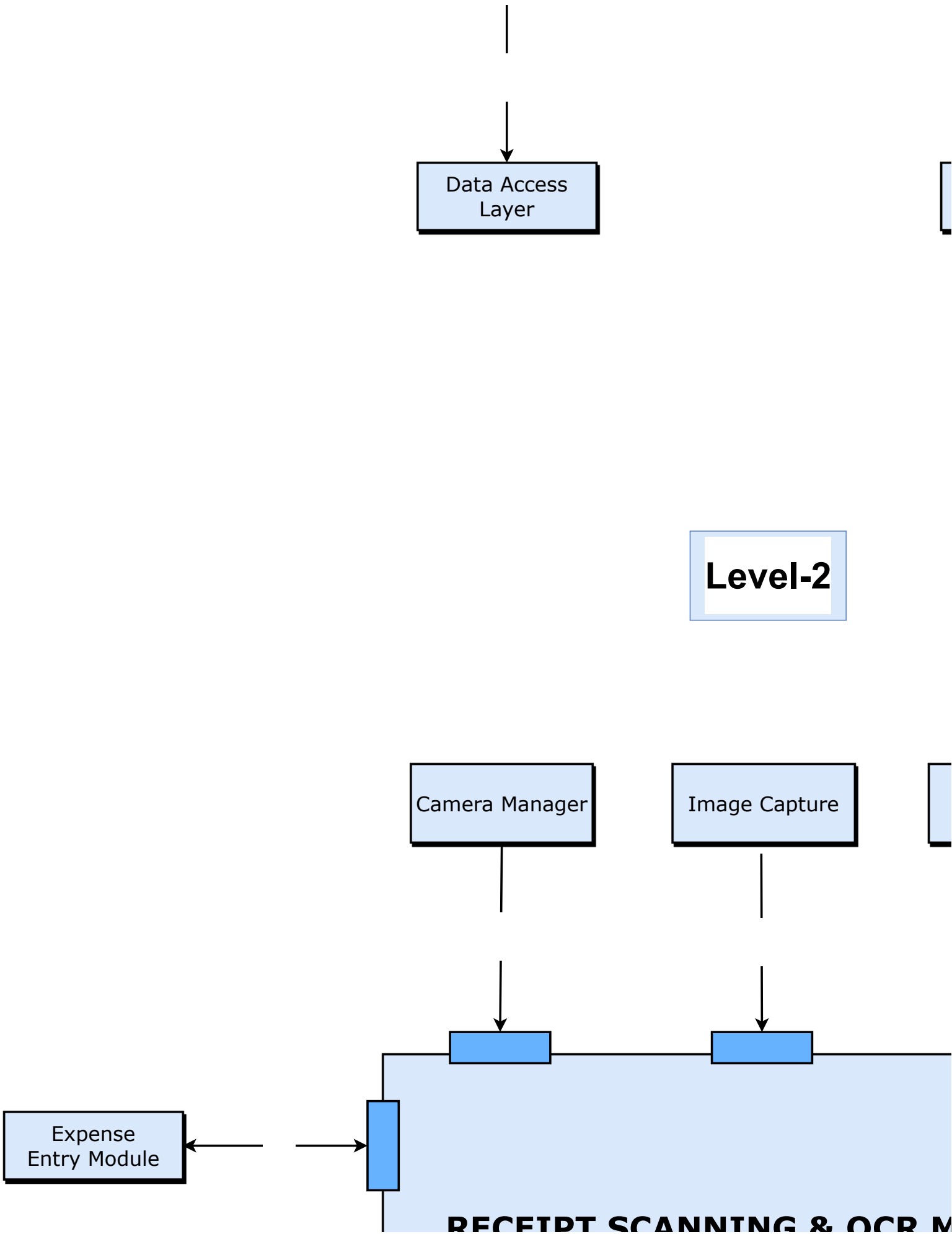


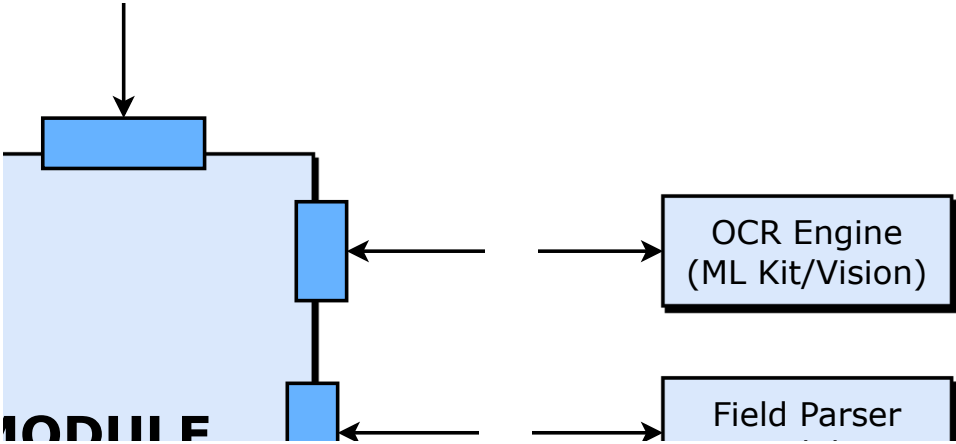
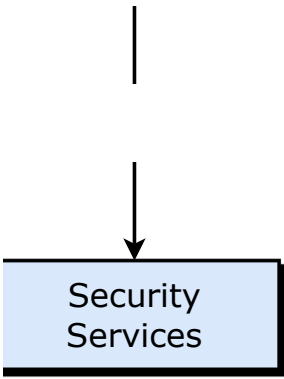


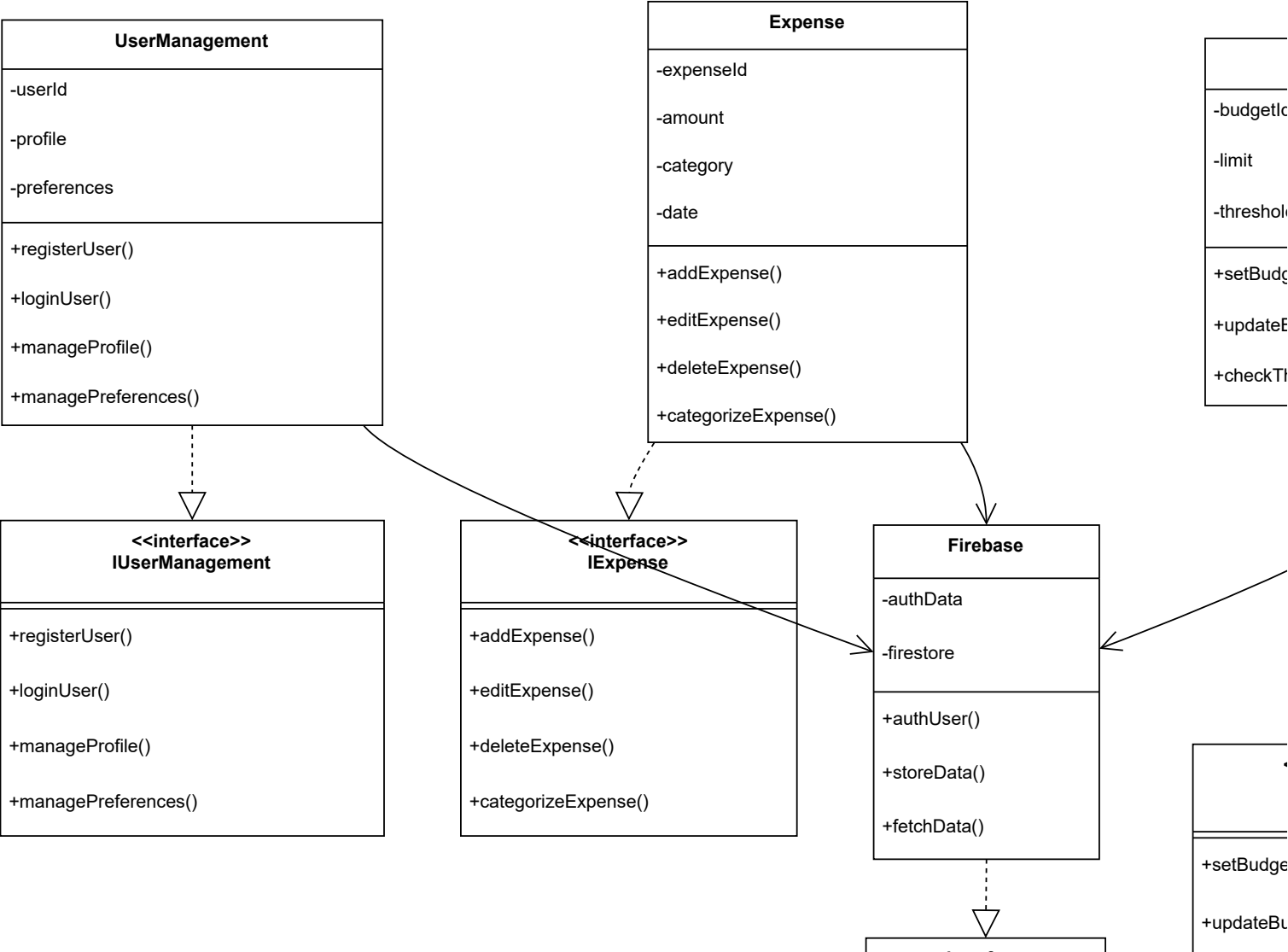




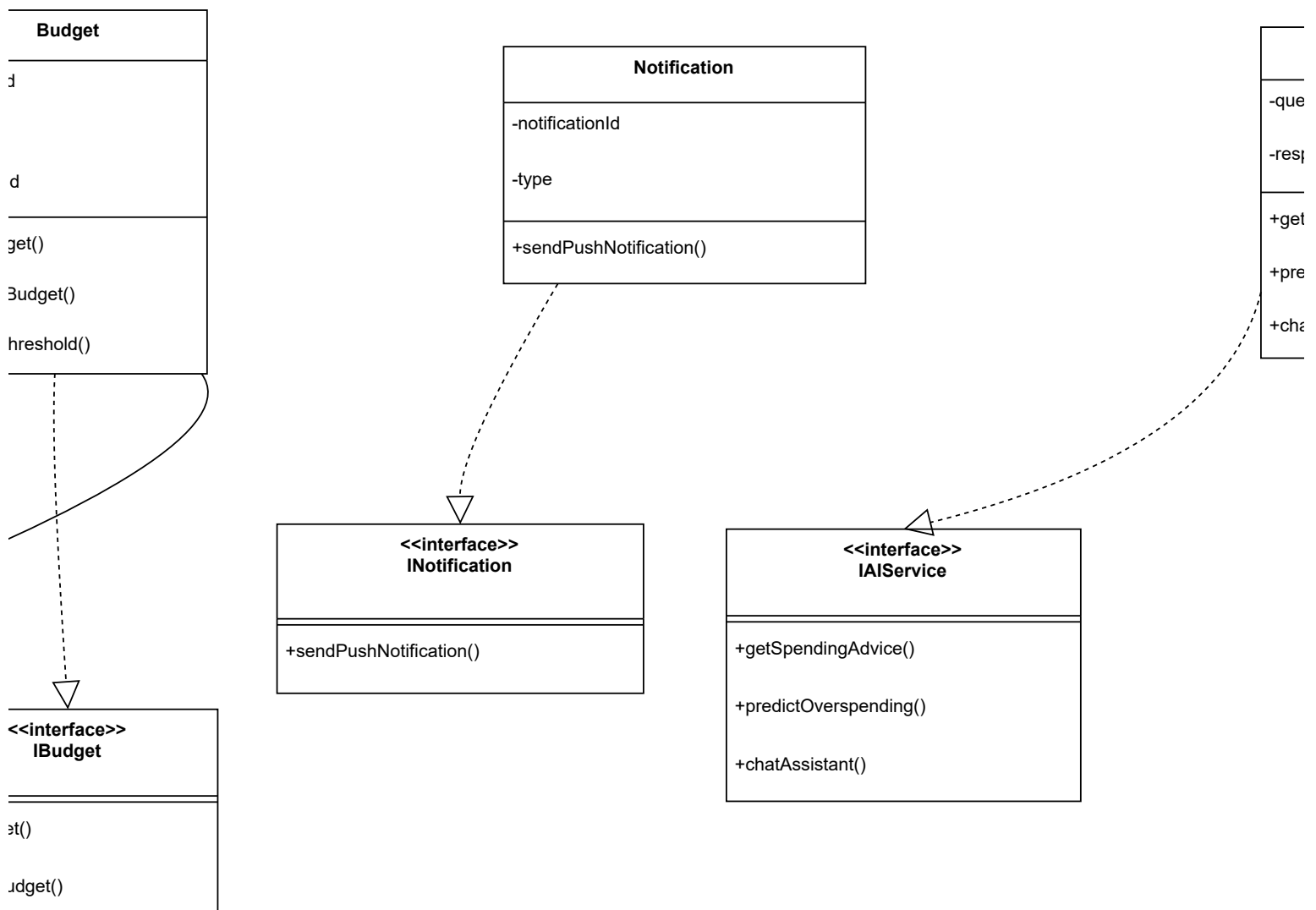


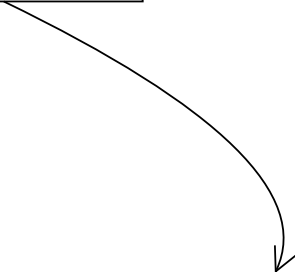
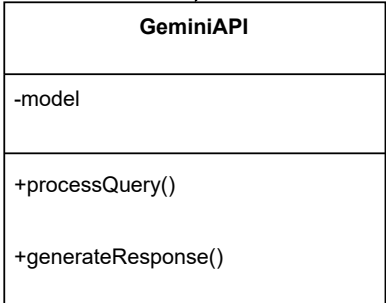
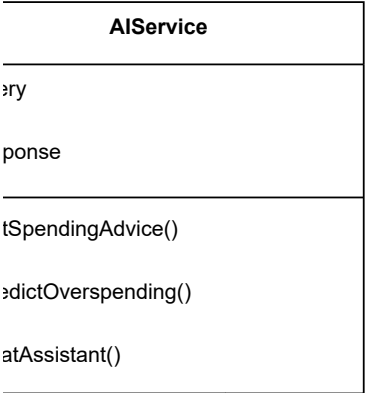


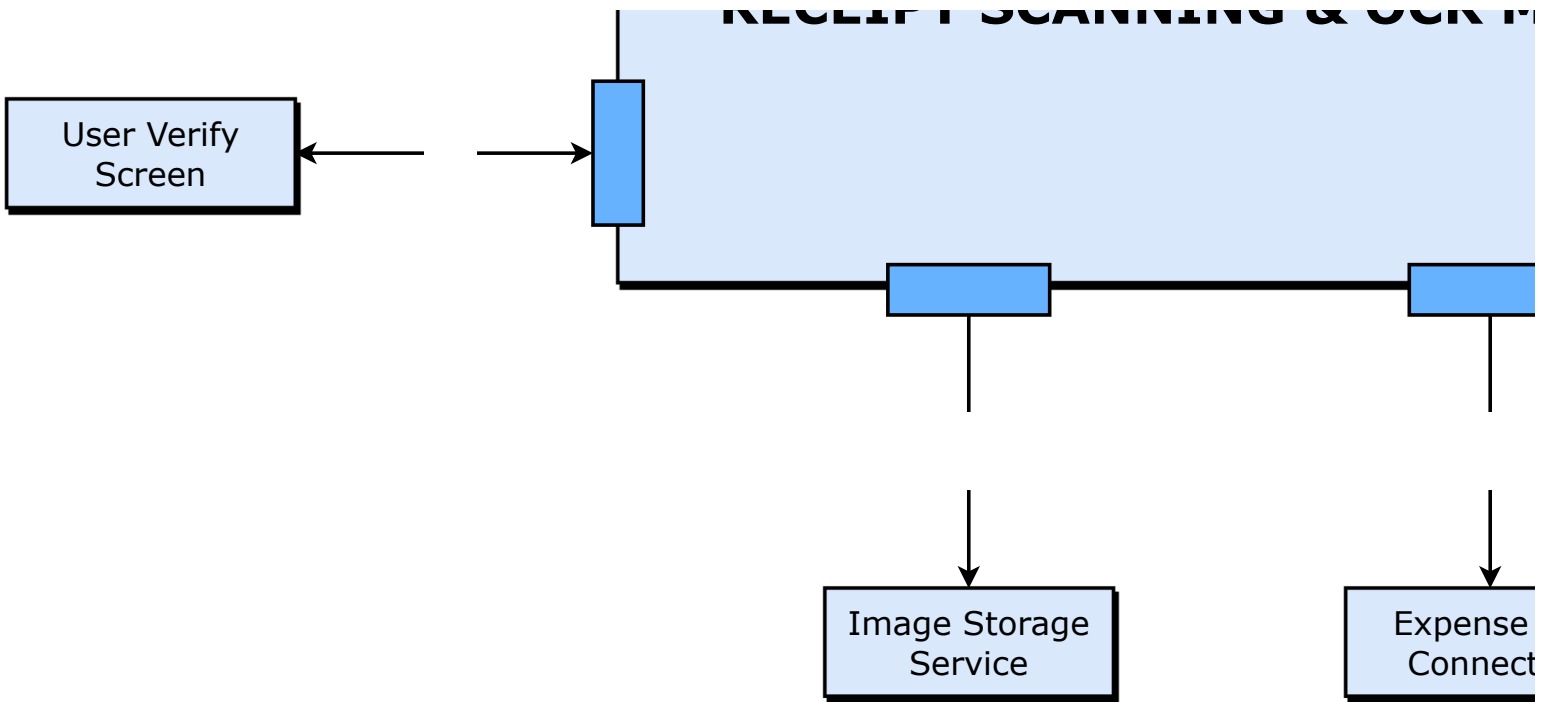


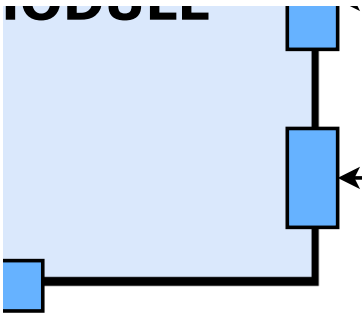


Component Diagram





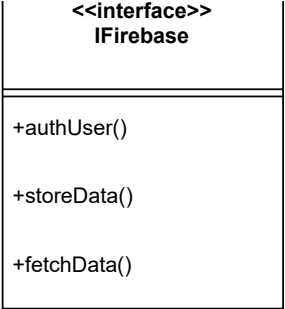




Module

Confidence
Analyzer

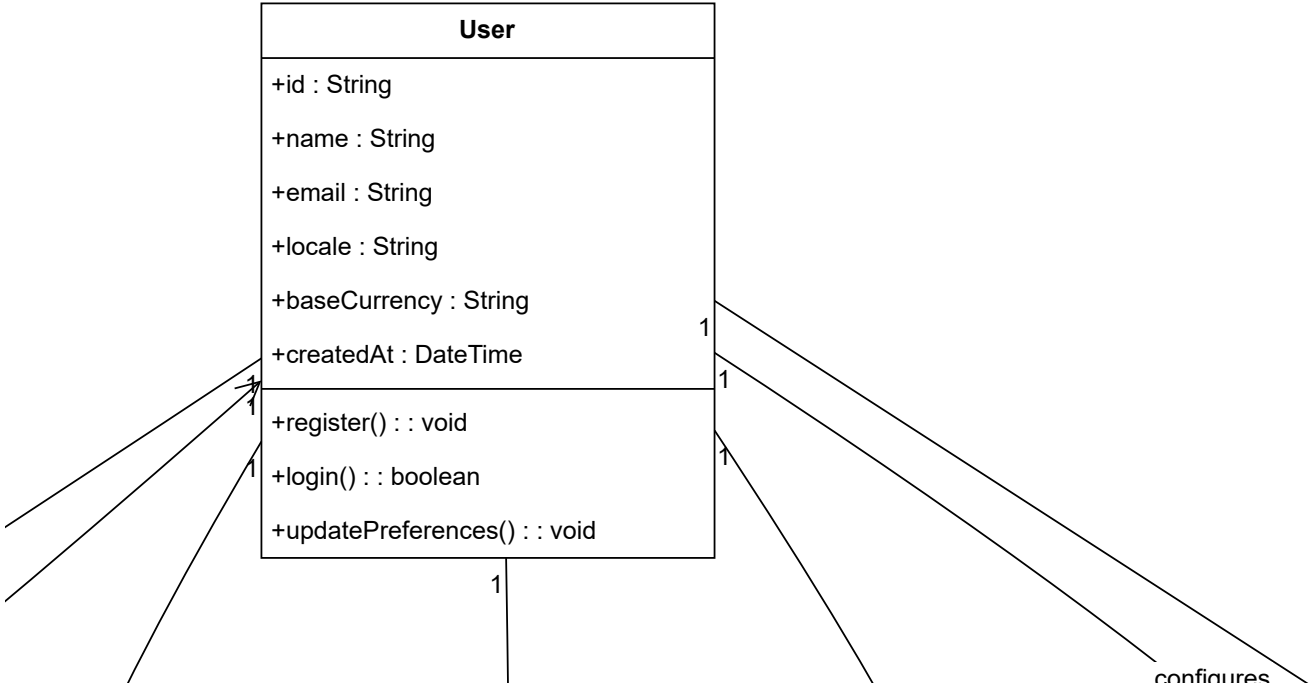
DB
tor

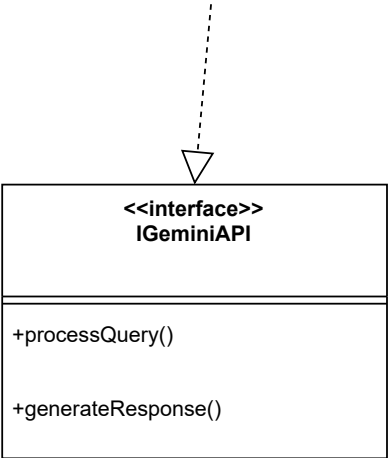


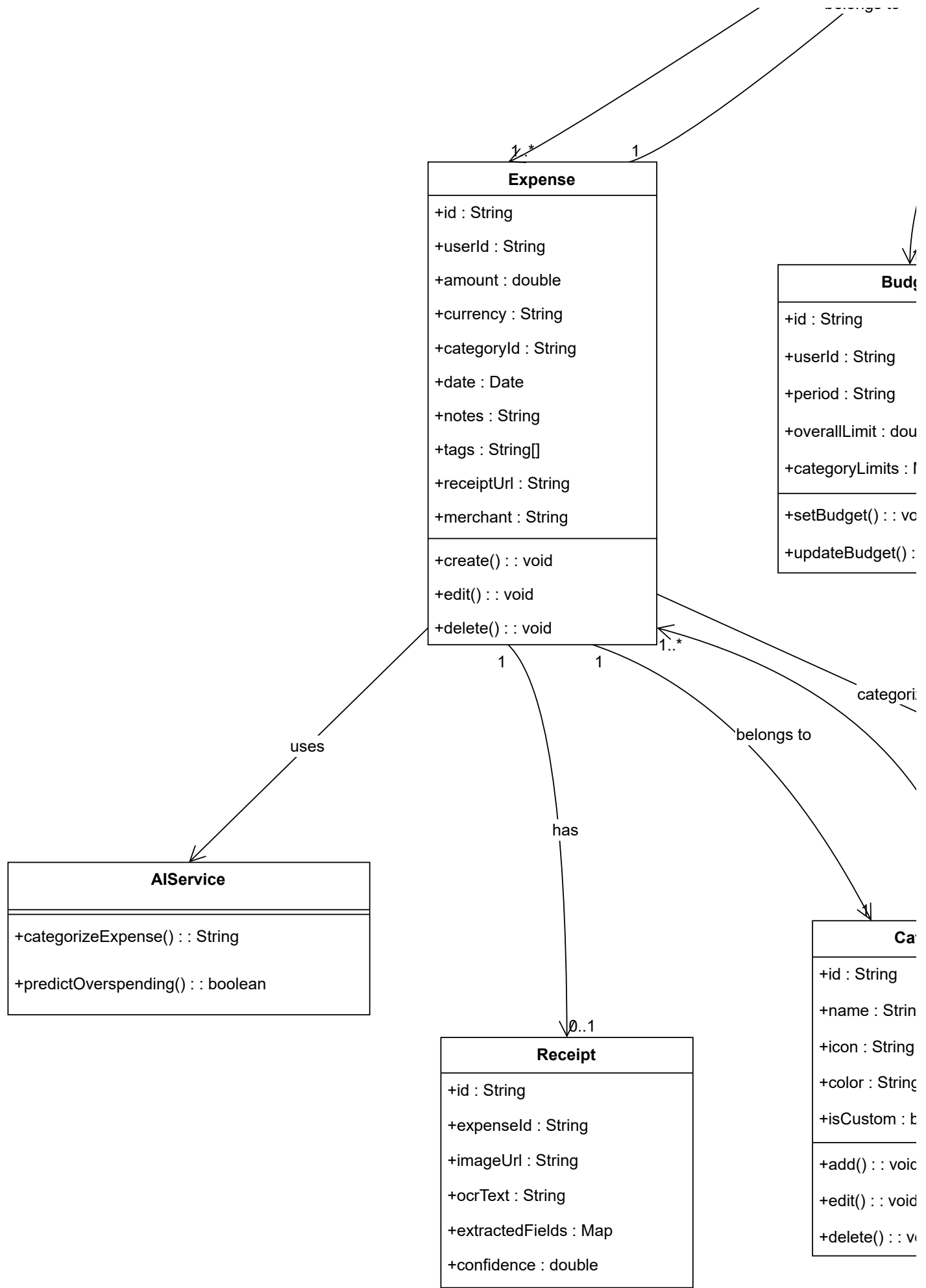
has
belongs to

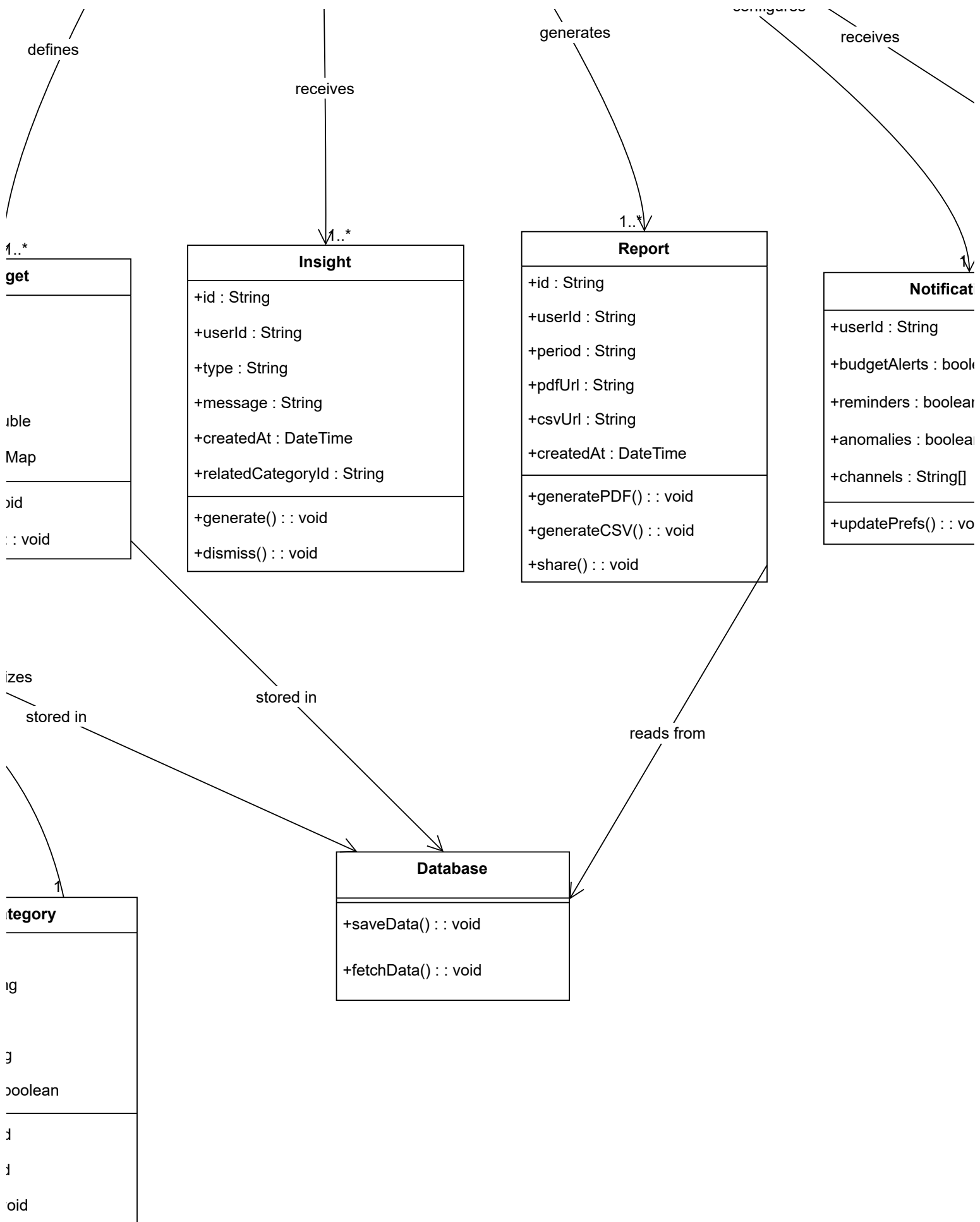
```
threshold()
```

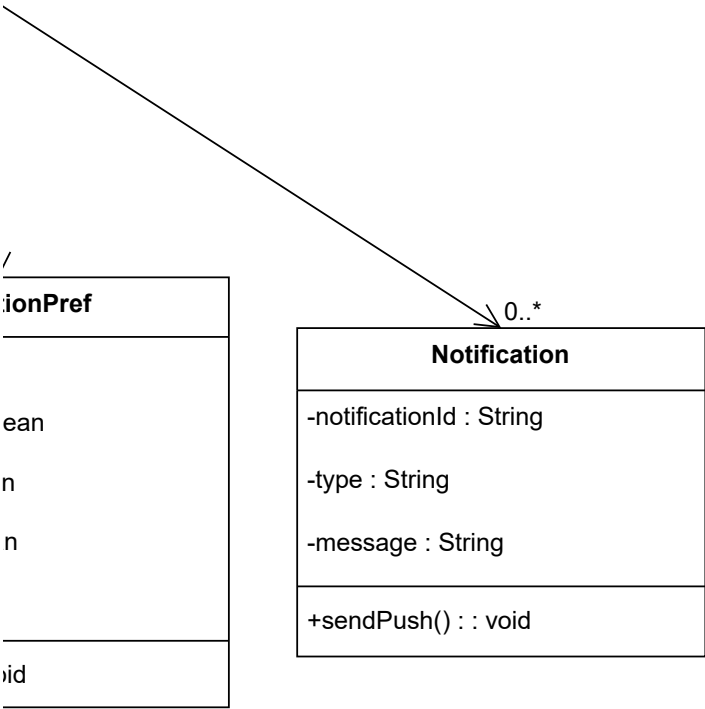
UML Class Diagram











+scan() : : void

+preprocess() : : void

+extract() : : void

