

The **Resident** possesses the following information: **first name (f_name)**, **last name (L_name)**, **photograph**, **DOB**, **address**, **phone number**, **email**, **password**, and **bio**. Each resident is assigned a unique identifier **resident_id**.

Residents can **report** multiple **Incidents** through separate posts. An Incident comprises the following elements: **title**, **content**, **multimedia** attachments, **incident date**. Each Incident is assigned a unique identifier **incident_id**.

Each **Incident** **have** many **Attachments** for comprehensive information sharing. Each Attachment has a unique identifier **attachment_id**.

Residents can **like** and **comment** on multiple **Incidents**.

Additionally, a **Resident** may operate a business, with each **Resident** able to **offer** multiple **Products** for sale. A product includes the following attributes: **name**, **quantity**, and **cost**, each uniquely identified by a **product_id**.

Residents can also **organize** **community_events**, inviting participation from fellow Residents. A community event encompasses details such as the event **information**, **location**, **date**, and **number of participants**. Each event is assigned a unique identifier **event_id**.

Private messaging allows Residents to engage in one-on-one conversations, while group chat functionality permits multiple Residents to communicate simultaneously.

