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ICOM5017 – Database Systems
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Phase 1: Report

The E-R Model presents the schema for the Disaster Relief App. It all starts with the User which has 3 types, which are Administrator, Seller or Buyer. The Administrator User doesn't have any additional relationship because its purpose hasn't been clarified yet.

The Seller User can only sell resources on the app and owns one or multiple Bank Accounts to acquire the money from the sales. To sell resources, he/she can post Announcements about the Resource he/she wants to sell. A Seller can also donate a Resource by making a Transaction which the Buyer will receive and, thus, getting the resource needed.

The Buyer User can only buy resources on the app and owns one or multiple Credit Cards to make those purchases. To buy resources, he/she can post Requests about a Resource he/she needs at the moment. Also, a Buyer can get a resource (could be by reservation or purchasing it) by making a Transaction involving said Resource and the Seller will receive the Transaction and, thus, selling or reserving his resource.