

Database Project

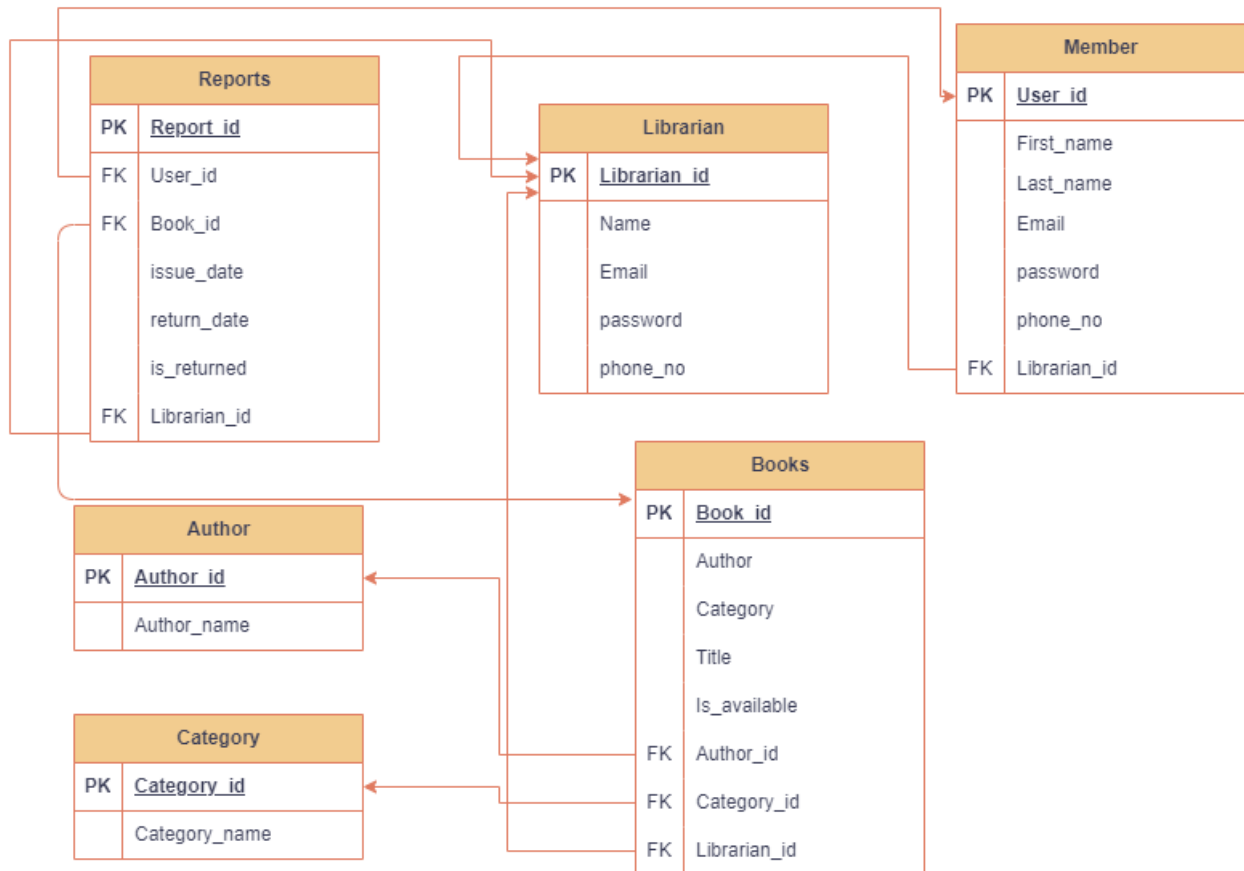
Project Title: Online Library Management System

Team Name: TeamX

Team Members:

Name	Registration
Nazmul Hossen	2019331047
Samim Ahmed	2020331065
Imran Bin Azad	2020331101

Previous Schema Diagram:



Violations of BCNF:

Books Table:

In the book table there is a transitive dependency $\text{category_id} \rightarrow \text{category}$. To solve this, we need to remove the category attribute.

Modified Schema Diagram (New tables added):

