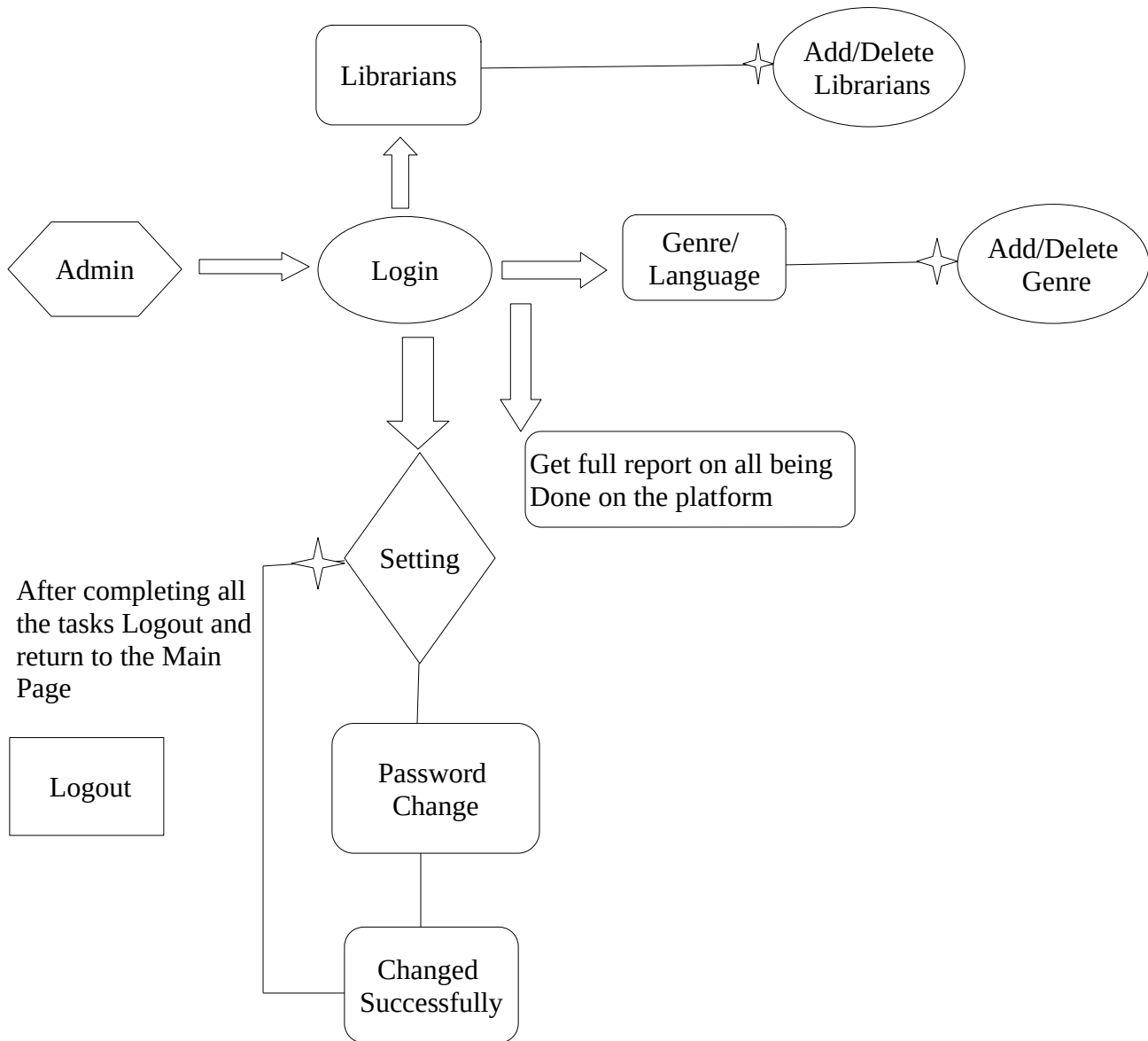


Fields and Attributes 3NF

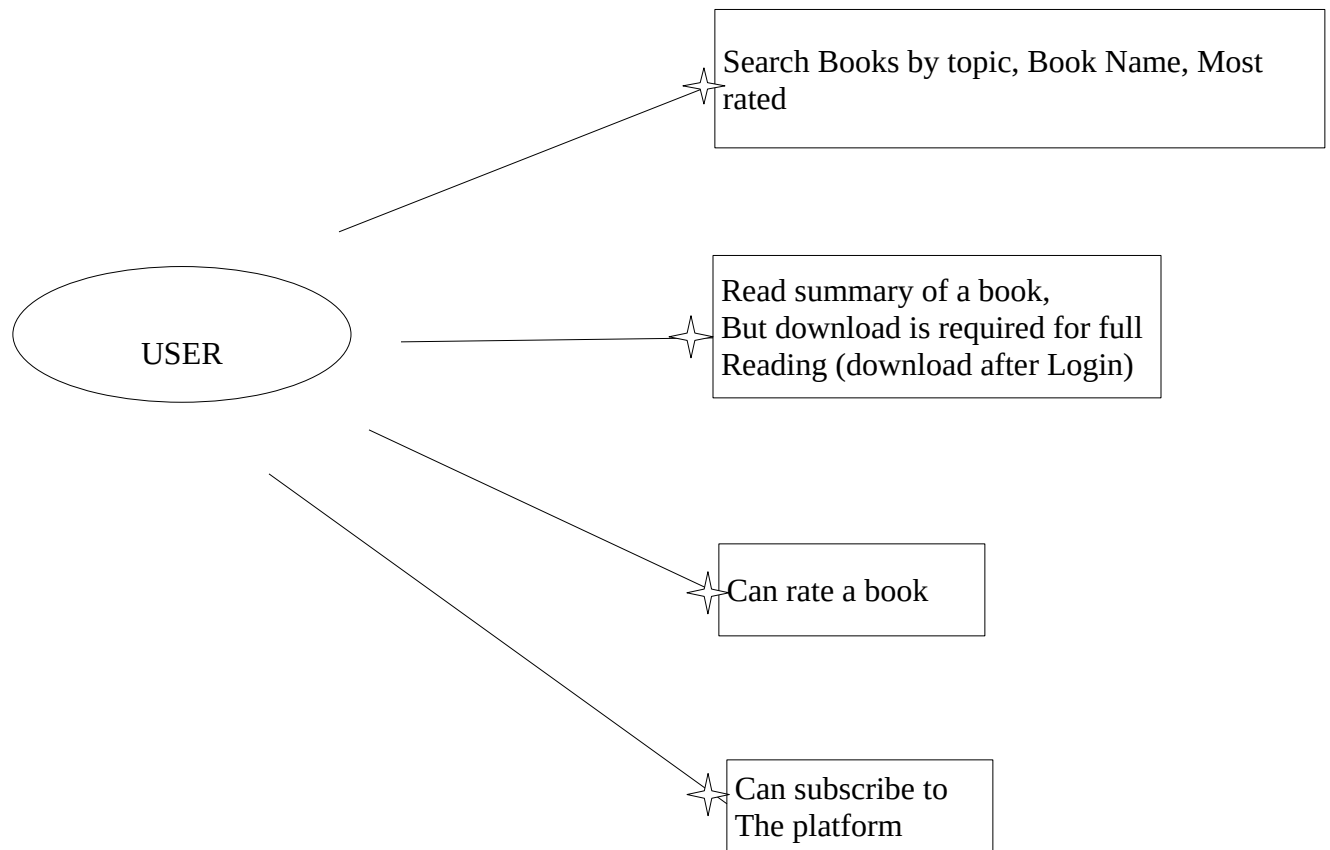
Entities	Attributes	Relationship
User	<ul style="list-style-type: none"> • user_ID • user_name • user_email • user_password 	
Librarian	<ul style="list-style-type: none"> • librarian_ID • librarian_name • librarian_email • librarian_password 	
Book	<ul style="list-style-type: none"> • book_ID • book_title • book_author • book_year • book_summary • genre_ID • librarian_ID • language_ID • book_added 	<ul style="list-style-type: none"> - Many books can be downloaded by many users (M : M). - Many books can be added by one librarian (M : 1) - Many Books can have one language (1 -M)
Download	<ul style="list-style-type: none"> • download_ID • user_ID • book_ID 	<ul style="list-style-type: none"> - Many books can be downloaded by many users (M : M)
Genre	<ul style="list-style-type: none"> • genre_ID • genre_name 	
Admin	<ul style="list-style-type: none"> • admin_ID • admin_name • admin_email • admin_password 	
rating	<ul style="list-style-type: none"> • rating_ID • rating_star • user_ID • book_ID 	<ul style="list-style-type: none"> - One book can be rated by many users and One user can rate many books (M : M)
Language	<ul style="list-style-type: none"> • language_ID • language_name 	

DATA FLOW DIAGRAM

Data Flow Diagram for admin Login



USE CASE DIAGRAM FOR USER



Reports:

1. Periodic Reports:

Periodic reports are issued on regularly scheduled dates. They are generally upward directed and serve management control. Preprinted forms and computer-generated data contribute to uniformity of periodic reports.

2. Informational or Analytical Reports:

Informational reports (annual reports) carry objective information from one area of an organization to another. Analytical reports (scientific research, feasibility reports) present attempts to solve problems.