Library Management System

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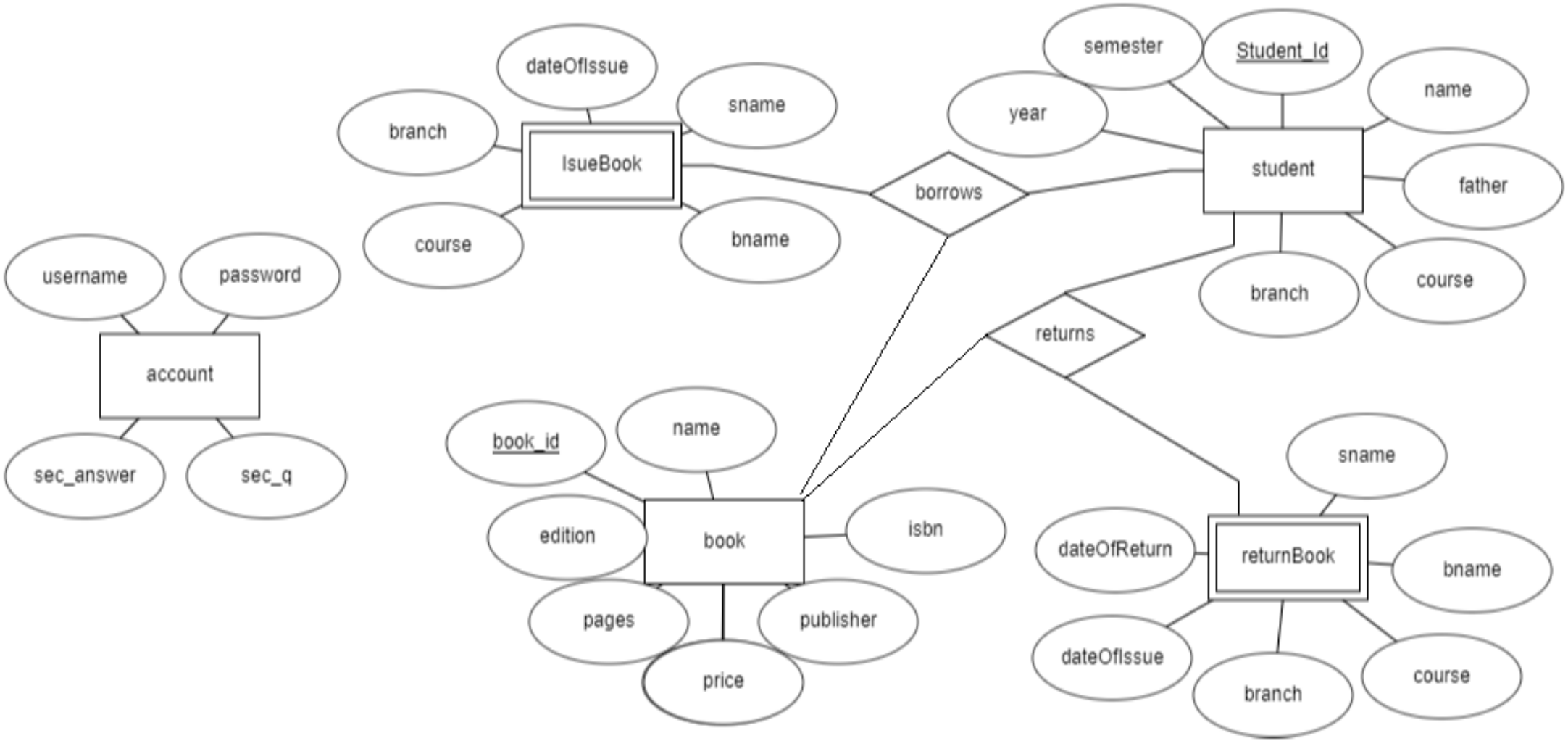
Project Overview

- Our project is based on the concept of an library management system front end is made with java swing and Awt backend is made with MYSQL using JDBC driver connection.
- A very general idea of this project can be concluded by the below mentioned “**database schema**”.

Database Schema

- book(book_id varchar(10) primary key auto_increment , name varchar(40), isbn varchar(20), publisher varchar(30), edition varchar(10), price varchar(10), pages varchar(10))
- student(student_id varchar(10) primary key, name varchar(25), father varchar(25), course varchar(10), branch varchar(10), year varchar(10), semester varchar(10))
- issueBook(book_id varchar(10, student_id varchar(10), bname varchar(40), sname varchar(40), course varchar(20), branch varchar(10), dateOfIssue DATE, foreign key (book_id) references book(book_id), foreign key (student_id) references student(student_id))
- returnBook(book_id varchar(10) foreign key references , student_id varchar(10) foreign key references, bname varchar(40), sname varchar(40),course varchar(20), branch varchar(10), dateOfIssue varchar(30), dateOfReturn varchar(30, foreign key (book_id) references book(book_id), foreign key (student_id) references student(student_id))
- account(username varchar(20) primary key, name varchar(25), password varchar(25), sec_q varchar(25), sec_ans varchar(25))

ER-DIAGRAM


dateOfIssue
branch
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