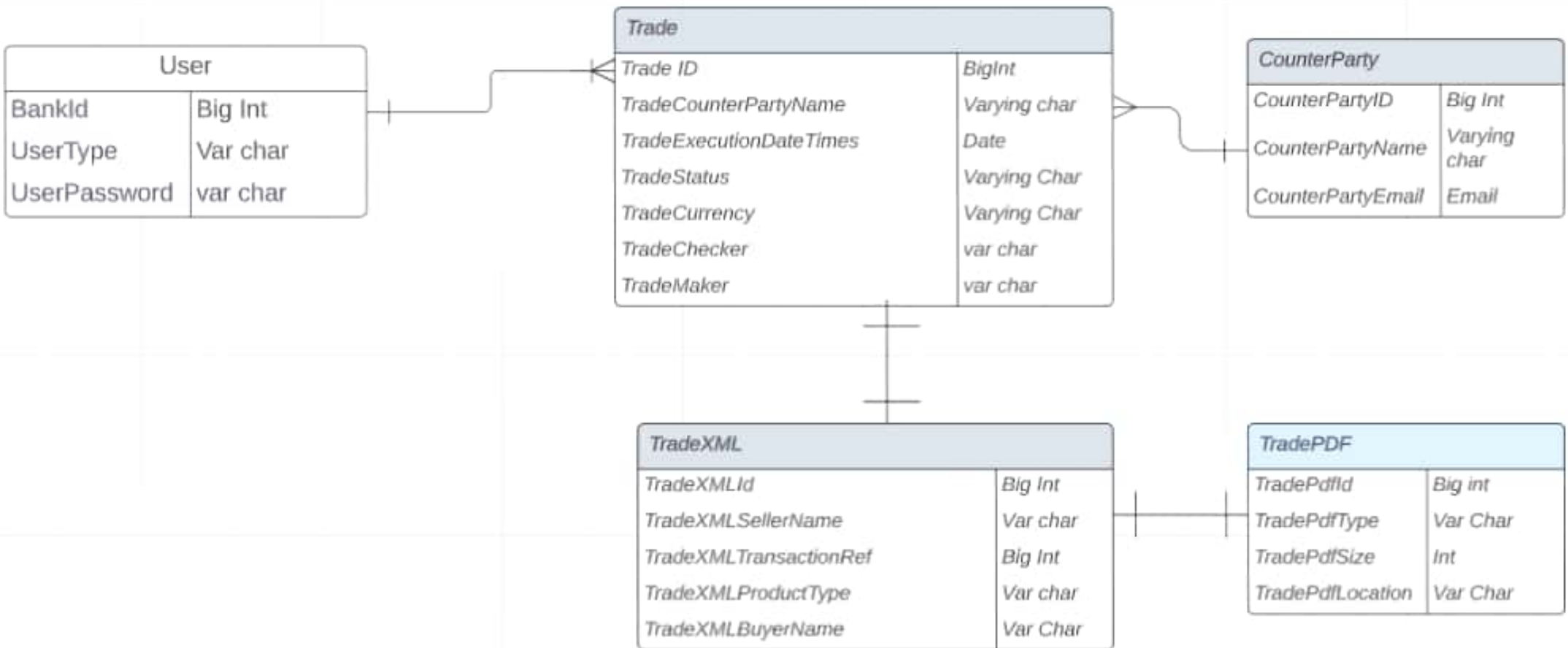


## Trade ER Diagram

RIYA GUPTA | August 18, 2023



User Authentication
<ul style="list-style-type: none"> <li>- BankId: big int</li> <li>- UserPassword: char</li> <li>+ isLoggedIn: boolean</li> </ul>
<ul style="list-style-type: none"> <li>+ validateLogin(BankId, UserPassword): return boolean</li> </ul>

Maker Class
<ul style="list-style-type: none"> <li>+ XMLId = default value</li> <li>+ PdfId</li> <li>+ ClientId</li> <li>+ ProductType</li> </ul>
<ul style="list-style-type: none"> <li>+ ParseXML(XMLId)</li> <li>+ GeneratePDF(XMLId, ClientId, ProductType): return PDFId</li> </ul>

Checker Class
<ul style="list-style-type: none"> <li>+ BankId: big int</li> <li>+ PdfId: big int</li> <li>+ CounterPartyName: var char</li> </ul>
<ul style="list-style-type: none"> <li>+ ValidatePdf(BankId, PdfId, CounterPartyName): return boolean</li> </ul>

Trade Details
<ul style="list-style-type: none"> <li>+ TradeId: bigint</li> <li>+ CounterPartyName: var char</li> <li>+ TradeExecutionDateTime: Date</li> <li>+ TradeStatus: var char</li> </ul>
<ul style="list-style-type: none"> <li>+ DisplayTrade(TradeId, CounterPartyName, TradeExecutionDateTime, TradeStatus): return void</li> </ul>