

Challenge # 1 – Replicate SAP data model on MYSQL Database – 100 pts

Assignment

1. Create the data dictionary for the tables present in the following slides – 5 pts
2. Compile the SQL based on data dictionary you generated in step 1 – 5 pts
3. Spin up a MYSQL database on your laptop or cloud (Azure) – 5 pts
4. Create tables in MYSQL database – 5 pts
5. Create fake data to be populated into these tables (at least 10,000 records per table) – 5 pts
6. Explain primary key and foreign key columns in these tables – 5 pts
7. Explain referential integrity for these tables and how do we ensure the same – 5 pts
8. Update fake data to ensure referential integrity of data – 5 pts
9. Populate fake data into tables in MYSQL – 5 pts
10. Verify if all the steps are completed properly or not – 5 pts
11. Present your demo explaining the approach and process you followed to complete the task – 25 pts
 1. Approach
 2. Technical Demo
 3. Automation
 4. Documentation/Run book
12. Completing the assignment with Speed and Accuracy gets awarded – 25 pts

SAP FI/CO

Financial Accounting

BKPF (Accounting document header)

Company Code
Document No
Fiscal Year

RFBLG (Cluster for accounting document)

BSEC
BSED
BSEG
BSES
BSET

Physical

BKPF (Accounting document header)

Company Code
Document No
Fiscal Year

BSEG (Accounting document segment)

Company Code
Document No
Fiscal Year
Line Item

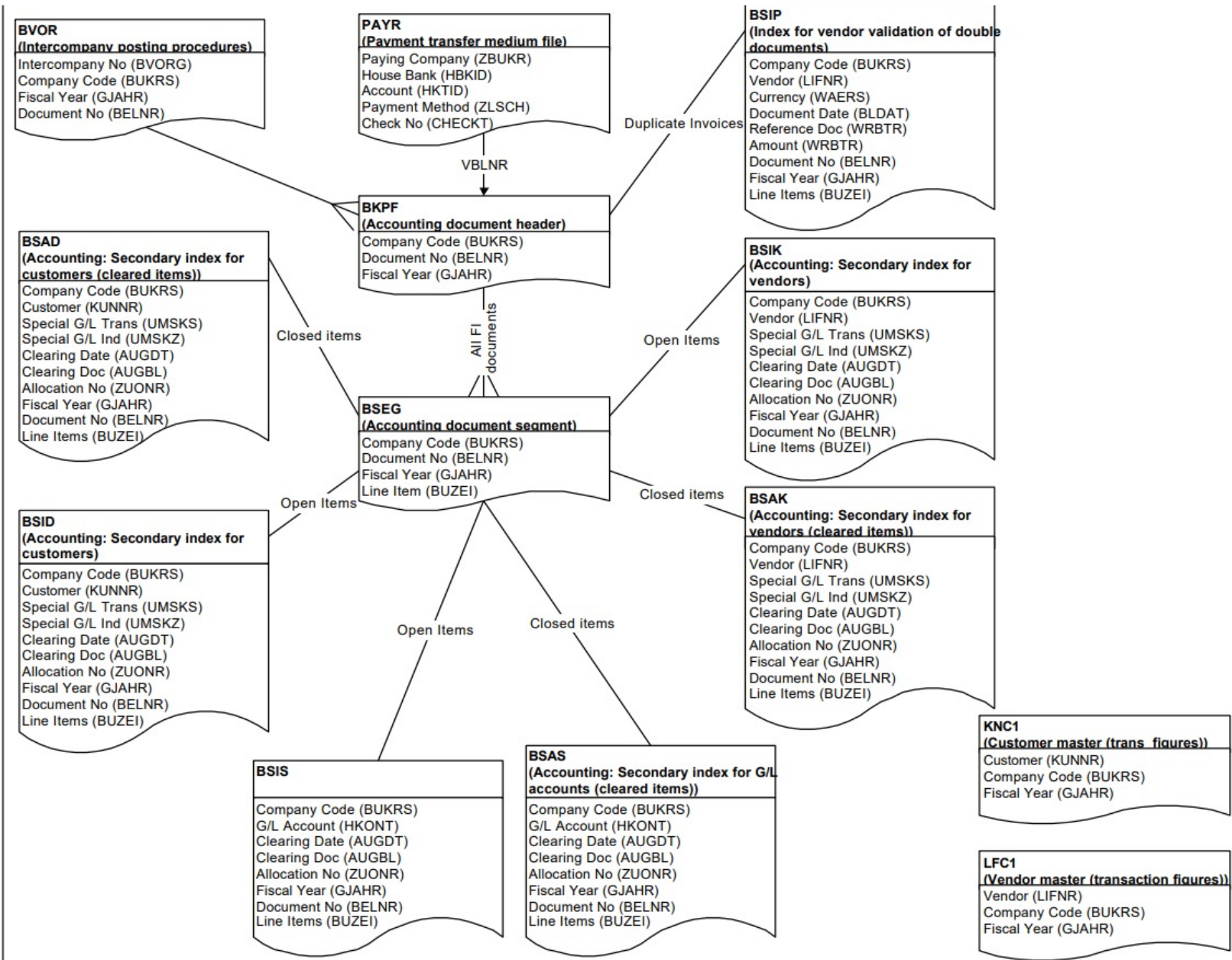
BSEC (One-time account data document segment)

Company Code
Document No
Fiscal Year
Line Item

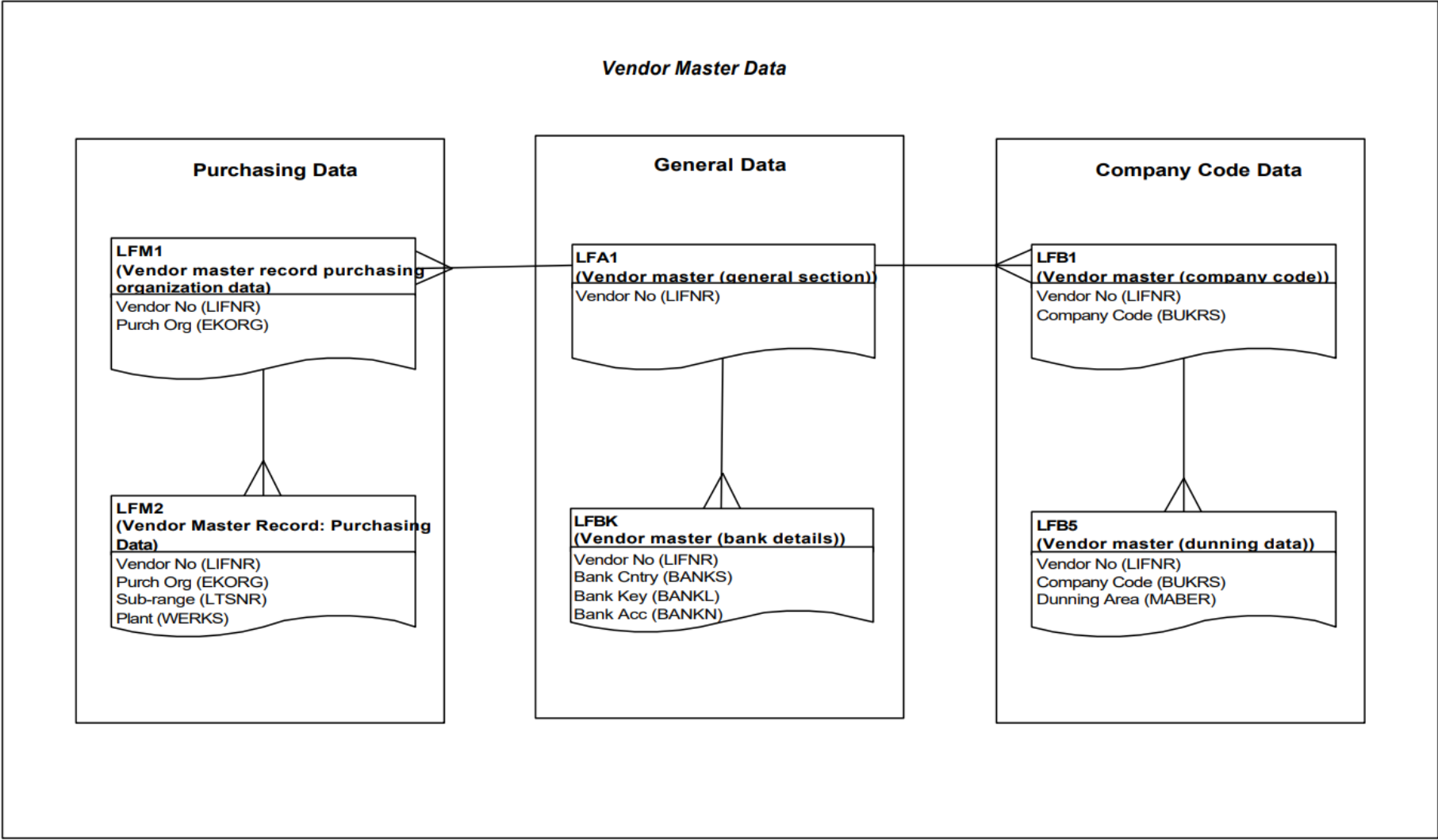
BSET (Tax data document segment)

Company Code
Document No
Fiscal Year
Line Item

Logical



Accounts Payable



Accounts Receivable

Customer Master Data

