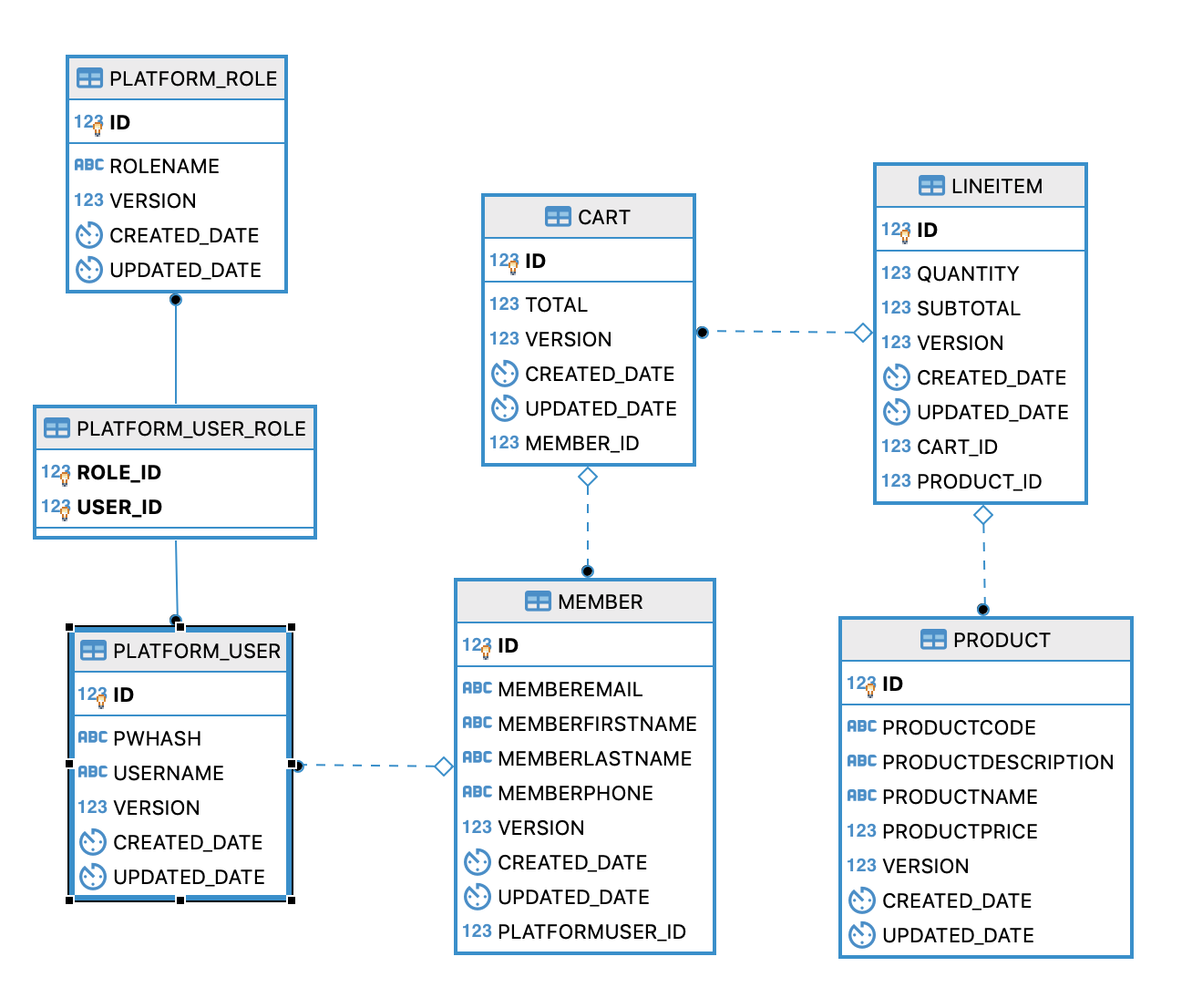
**Database Artifacts**

Byeongyun Goo (#040888224), Zeyang Hu (#040885680), Sohaila Binte Ridwan (#040847430)

**ER Diagram**



**SQL DDL**

**CART**

-- Drop table

-- DROP TABLE PUBLIC.CART

**CREATE** **TABLE** PUBLIC.CART (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_C6EF36C9\_3734\_472B\_9645\_B074A07DBEB9) **NOT** **NULL** AUTO\_INCREMENT,

TOTAL **DOUBLE**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

MEMBER\_ID **INTEGER**,

**CONSTRAINT** CONSTRAINT\_1 **PRIMARY** **KEY** (ID),

**CONSTRAINT** FK\_CART\_MEMBER\_ID **FOREIGN** **KEY** (MEMBER\_ID) **REFERENCES** PUBLIC."MEMBER"(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**

);

**CREATE** **INDEX** FK\_CART\_MEMBER\_ID\_INDEX\_1 **ON** PUBLIC.CART (MEMBER\_ID);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_1 **ON** PUBLIC.CART (ID);

**LINEITEM**

-- Drop table

-- DROP TABLE PUBLIC.LINEITEM

**CREATE** **TABLE** PUBLIC.LINEITEM (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_6488A14D\_B368\_4510\_9CF9\_CDED6919D529) **NOT** **NULL** AUTO\_INCREMENT,

QUANTITY **INTEGER**,

SUBTOTAL **DOUBLE**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

CART\_ID **INTEGER**,

PRODUCT\_ID **INTEGER**,

**CONSTRAINT** CONSTRAINT\_75 **PRIMARY** **KEY** (ID),

**CONSTRAINT** FK\_LINEITEM\_CART\_ID **FOREIGN** **KEY** (CART\_ID) **REFERENCES** PUBLIC.CART(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**,

**CONSTRAINT** FK\_LINEITEM\_PRODUCT\_ID **FOREIGN** **KEY** (PRODUCT\_ID) **REFERENCES** PUBLIC.PRODUCT(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**

);

**CREATE** **INDEX** FK\_LINEITEM\_CART\_ID\_INDEX\_7 **ON** PUBLIC.LINEITEM (CART\_ID);

**CREATE** **INDEX** FK\_LINEITEM\_PRODUCT\_ID\_INDEX\_7 **ON** PUBLIC.LINEITEM (PRODUCT\_ID);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_75 **ON** PUBLIC.LINEITEM (ID);

**MEMBER**

-- Drop table

-- DROP TABLE PUBLIC."MEMBER"

**CREATE** **TABLE** PUBLIC."MEMBER" (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_DCDB023C\_CF53\_42AE\_BA2D\_49FF9152836F) **NOT** **NULL** AUTO\_INCREMENT,

MEMBEREMAIL **VARCHAR**,

MEMBERFIRSTNAME **VARCHAR**,

MEMBERLASTNAME **VARCHAR**,

MEMBERPHONE **VARCHAR**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

PLATFORMUSER\_ID **INTEGER**,

**CONSTRAINT** CONSTRAINT\_8 **PRIMARY** **KEY** (ID),

**CONSTRAINT** FK\_MEMBER\_PLATFORMUSER\_ID **FOREIGN** **KEY** (PLATFORMUSER\_ID) **REFERENCES** PUBLIC.PLATFORM\_USER(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**

);

**CREATE** **INDEX** FK\_MEMBER\_PLATFORMUSER\_ID\_INDEX\_8 **ON** PUBLIC."MEMBER" (PLATFORMUSER\_ID);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_8 **ON** PUBLIC."MEMBER" (ID);

**PLATFORM\_ROLE**

-- Drop table

-- DROP TABLE PUBLIC.PLATFORM\_ROLE

**CREATE** **TABLE** PUBLIC.PLATFORM\_ROLE (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_85BD0055\_5C75\_4EAA\_9732\_BA56253E13D5) **NOT** **NULL** AUTO\_INCREMENT,

ROLENAME **VARCHAR**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

**CONSTRAINT** CONSTRAINT\_D **PRIMARY** **KEY** (ID)

);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_D **ON** PUBLIC.PLATFORM\_ROLE (ID);

**PLATFORM\_USER**

-- Drop table

-- DROP TABLE PUBLIC.PLATFORM\_USER

**CREATE** **TABLE** PUBLIC.PLATFORM\_USER (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_A3E08829\_9083\_44CC\_8B37\_646D8DF0363A) **NOT** **NULL** AUTO\_INCREMENT,

PWHASH **VARCHAR**,

USERNAME **VARCHAR**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

**CONSTRAINT** CONSTRAINT\_DB **PRIMARY** **KEY** (ID)

);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_DB **ON** PUBLIC.PLATFORM\_USER (ID);

**PLATFORM\_USER\_ROLE**

-- Drop table

-- DROP TABLE PUBLIC.PLATFORM\_USER\_ROLE

**CREATE** **TABLE** PUBLIC.PLATFORM\_USER\_ROLE (

ROLE\_ID **INTEGER** **NOT** **NULL**,

USER\_ID **INTEGER** **NOT** **NULL**,

**CONSTRAINT** CONSTRAINT\_2 **PRIMARY** **KEY** (ROLE\_ID,USER\_ID),

**CONSTRAINT** FK\_PLATFORM\_USER\_ROLE\_ROLE\_ID **FOREIGN** **KEY** (ROLE\_ID) **REFERENCES** PUBLIC.PLATFORM\_ROLE(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**,

**CONSTRAINT** FK\_PLATFORM\_USER\_ROLE\_USER\_ID **FOREIGN** **KEY** (USER\_ID) **REFERENCES** PUBLIC.PLATFORM\_USER(ID) **ON** **DELETE** **RESTRICT** **ON** **UPDATE** **RESTRICT**

);

**CREATE** **INDEX** FK\_PLATFORM\_USER\_ROLE\_ROLE\_ID\_INDEX\_2 **ON** PUBLIC.PLATFORM\_USER\_ROLE (ROLE\_ID);

**CREATE** **INDEX** FK\_PLATFORM\_USER\_ROLE\_USER\_ID\_INDEX\_2 **ON** PUBLIC.PLATFORM\_USER\_ROLE (USER\_ID);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_2 **ON** PUBLIC.PLATFORM\_USER\_ROLE (ROLE\_ID,USER\_ID);

**PRODUCT**

-- Drop table

-- DROP TABLE PUBLIC.PRODUCT

**CREATE** **TABLE** PUBLIC.PRODUCT (

ID **INTEGER** **DEFAULT** (**NEXT** VALUE **FOR** PUBLIC.SYSTEM\_SEQUENCE\_BD7C47C8\_9912\_4CA0\_8703\_BABFCFE1F9BD) **NOT** **NULL** AUTO\_INCREMENT,

PRODUCTCODE **VARCHAR**,

PRODUCTDESCRIPTION **VARCHAR**,

PRODUCTNAME **VARCHAR**,

PRODUCTPRICE **DOUBLE**,

VERSION **INTEGER**,

CREATED\_DATE **TIMESTAMP**,

UPDATED\_DATE **TIMESTAMP**,

**CONSTRAINT** CONSTRAINT\_18 **PRIMARY** **KEY** (ID)

);

**CREATE** **UNIQUE** **INDEX** PRIMARY\_KEY\_18 **ON** PUBLIC.PRODUCT (ID);