Title: **Chemistry Reference Tool (chemister)**

Flask – python framework

Sqlalchemy – sql connection

Database structure

Reactions Table:

ID Int autoincrement primary key

R1 VARCHAR foreign key {Symbol – Full name}

Count1 INT

R2 VARCHAR foreign key

Count2 INT

Product VARCHAR foreign key

Count3 INT

Conditions TEXT

Extra Info TEXT

Quantities table:

Item VARCHAR Primary key {Symbol – Full name }

Weight Float {grams per mole}