

Mini-Rosetta Project Milestone 1

Due: Tuesday , March 27

The objective of this milestone is for you to learn how to create an actual database from a logical model.

0) Choose a team partner, immediately, and send me and the T.A. email (ASAP).

Do not use waiting to determine a partner as an excuse for delaying starting on milestone 1. This milestone is primarily about installing software. Each of you should be able to do this by yourself.

1) Install PostgreSQL

You can install a PostgreSQL on your home machine from

<http://www.postgresql.org/>

The comprehensive manual is at

<http://www.postgresql.org/docs/8.0/static/index.html>

The postgresql is also installed at PAI 5.38

The path to JDBC driver is:

C:\Program Files\PostgreSQL\8.0\jdbc\postgresql-8.0-311.jdbc3.jar

2) Compile the logical Rose model to DDL.

The Rose model is:

<http://www.cs.utexas.edu/~mobios/cs329e/rosetta/mini-rosetta.mdl>

3) Explore PostgreSQL

a) Create a database instance in PostgreSQL. (i.e. load the DDL)

Note there some manual changes to the Rose output that you must make first.

b) Load the initial data provided by the T.A. using the graphical tool pgAdmin III. See instructions

at: <http://www.cs.utexas.edu/~mobios/cs329e/rosetta/database.htm>

4) For yourself, execute some SQL, select/from/where queries.

5) Turn in screen shots of the execution of two queries:

A) The query

```
SELECT name
```

```
FROM t_protein, t_proteinsource
```

```
WHERE dbName = 'Genbank' AND
```

```
organism = 'EColi' AND
```

```
t_protein.t_proteinsource_id = t_proteinsource.t_proteinsource_id
```

B) A query of your invention.