FINAL PROJECT
WORK COORDINATION WITH SECURITY FEATURES

Patrick Walter - B00707506

Cloud Computing - Winter 2018

Overview of Tools and Languages

▶ Front end websites written in PHP with embedded SQL queries

▶ All organizations websites hosted on a single instance AWS Elastic Beanstalk in a PHP 7.1 environment running on a 64bit Amazon Linux/2.6.5

▶ All organizations database tables stored in a single db.t2.mirco instance on AWS Relational Database Service running MariaDB 10.1.26

▶ All organizations workflow was implemented on Azure Logic Apps using Service Bus cloud messaging.

▶ Development was done using PHP Storm IDE, MAMP local hosting, and MariaDB Mysql Client.

Database Design

- Five database tables: *projectmbr, projectinsinc, projectemp, projectmun, projectre*

  projectmbr: *mortid | name | misid | mortvalue | email*

  projectinsinc: *misid | insuredvalue | deductible*

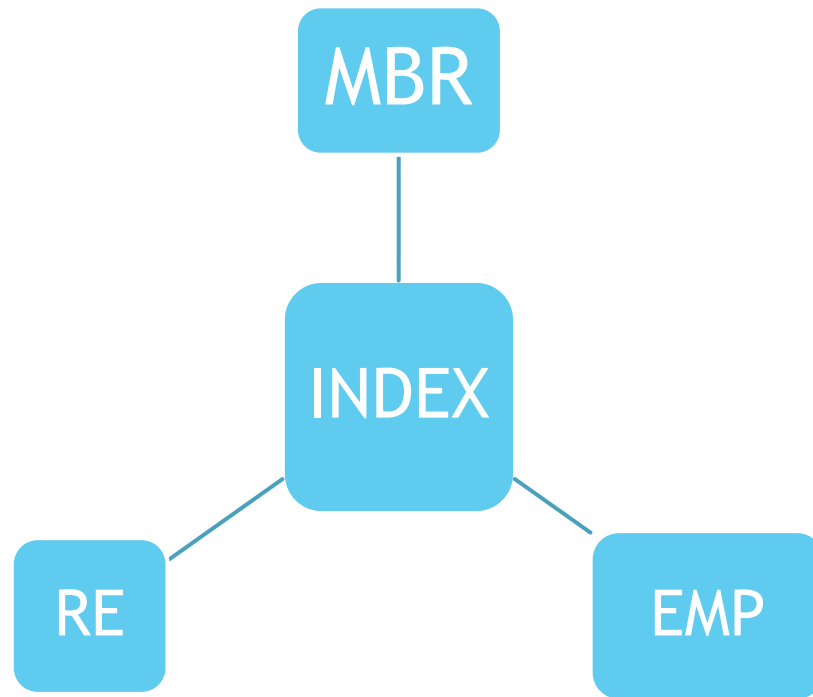 **projectemp**: *empid | name | salary | startdate*

  projectmun: *misid | code*

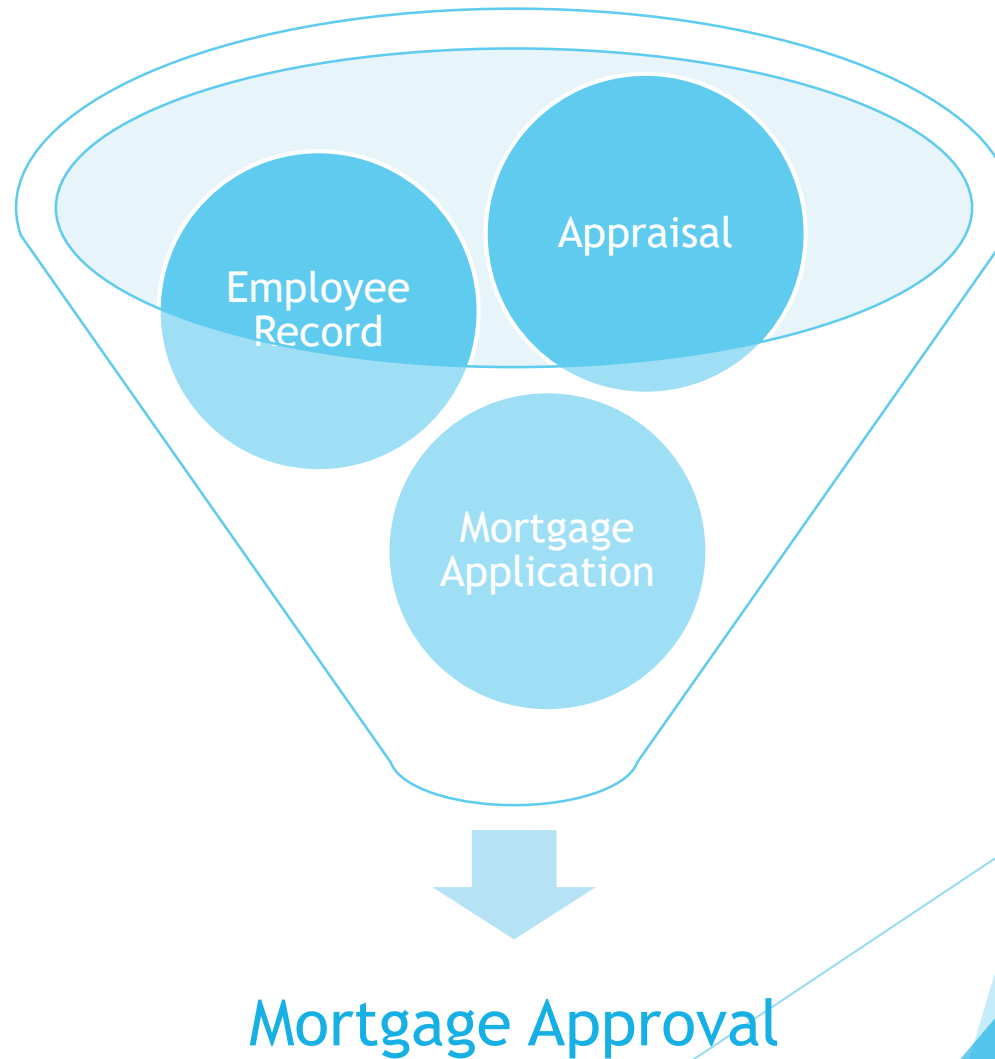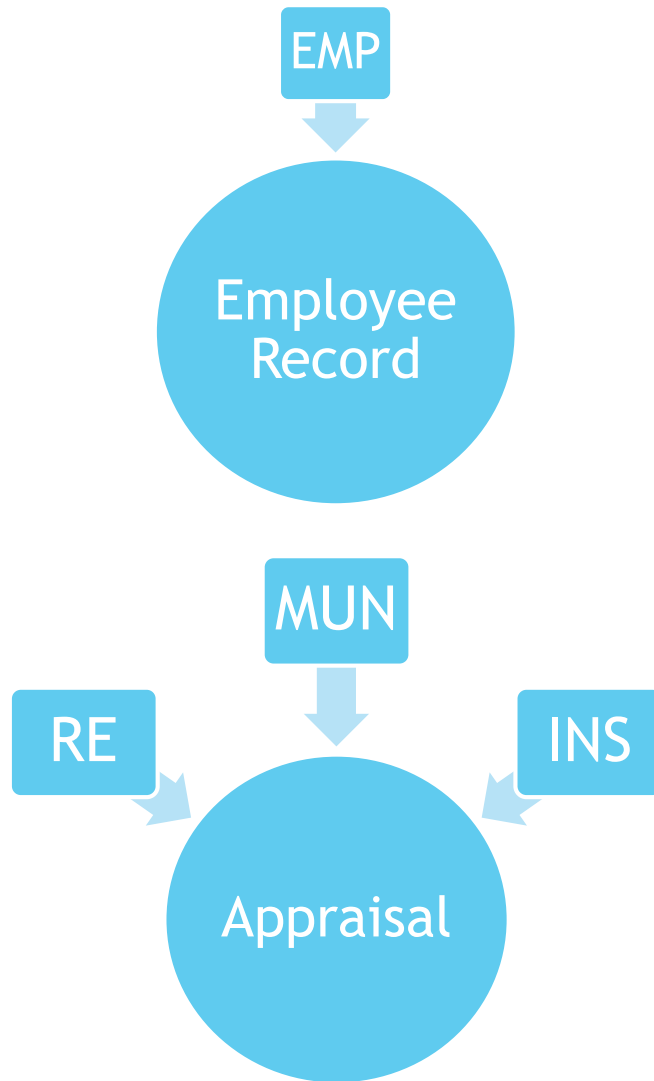 **projectre**: *misid | appraisedvalue*

- All tables except projectmbr were populated with testing data.
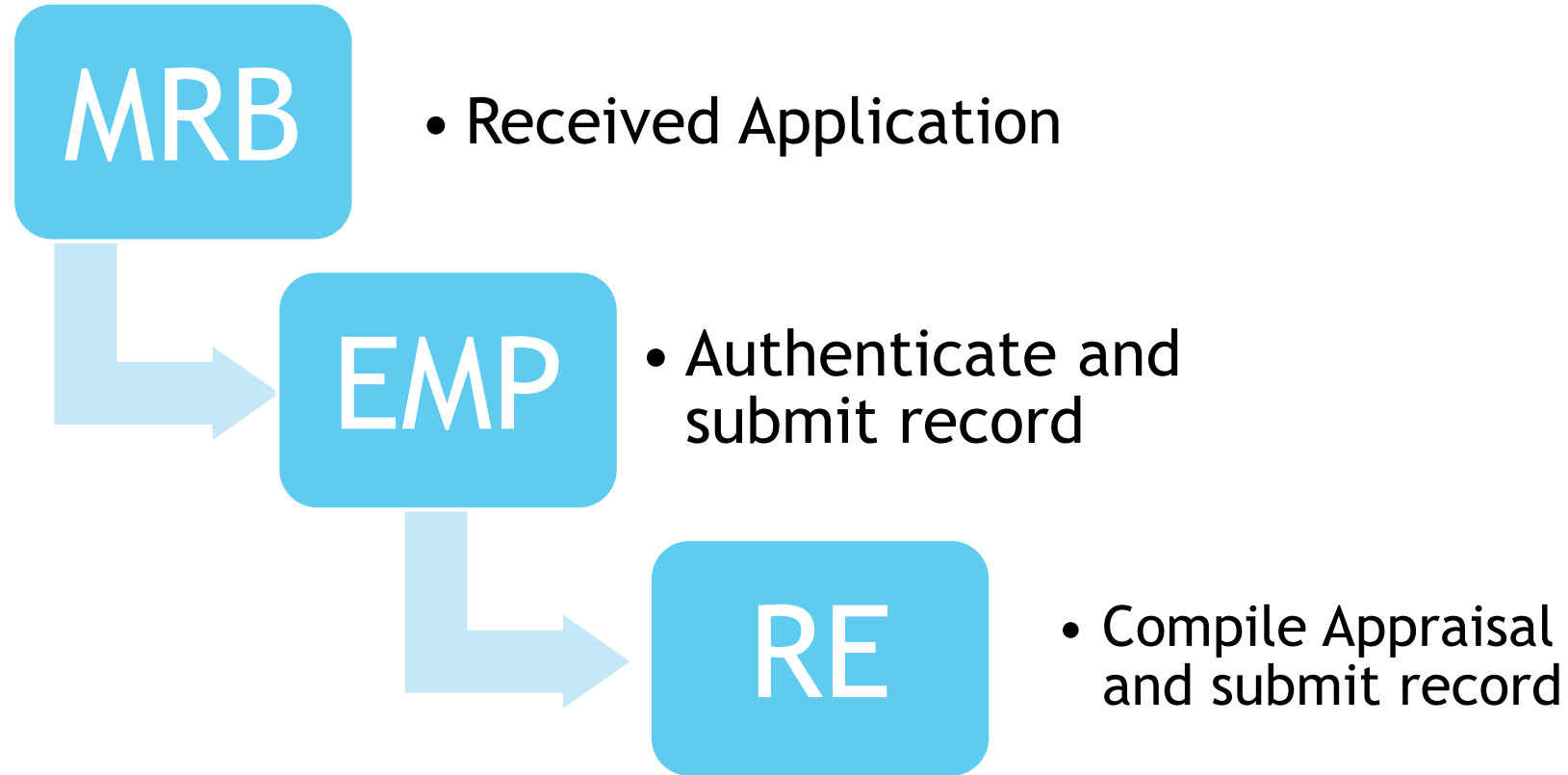
- projectmbr was populated through MBR's Homepage

Front End

Flow of Information

EMP

Employee Record

MUN

RE

INS

Appraisal

Employee Record

Appraisal

Mortgage Application

Mortgage Approval

Workflow Front End

MRB
- Received Application

EMP
- Authenticate and submit record

RE
- Compile Appraisal and submit record

Thank you