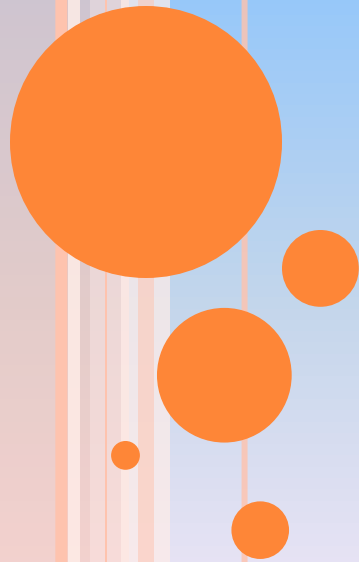# Idart data mart

By Zukile Roro
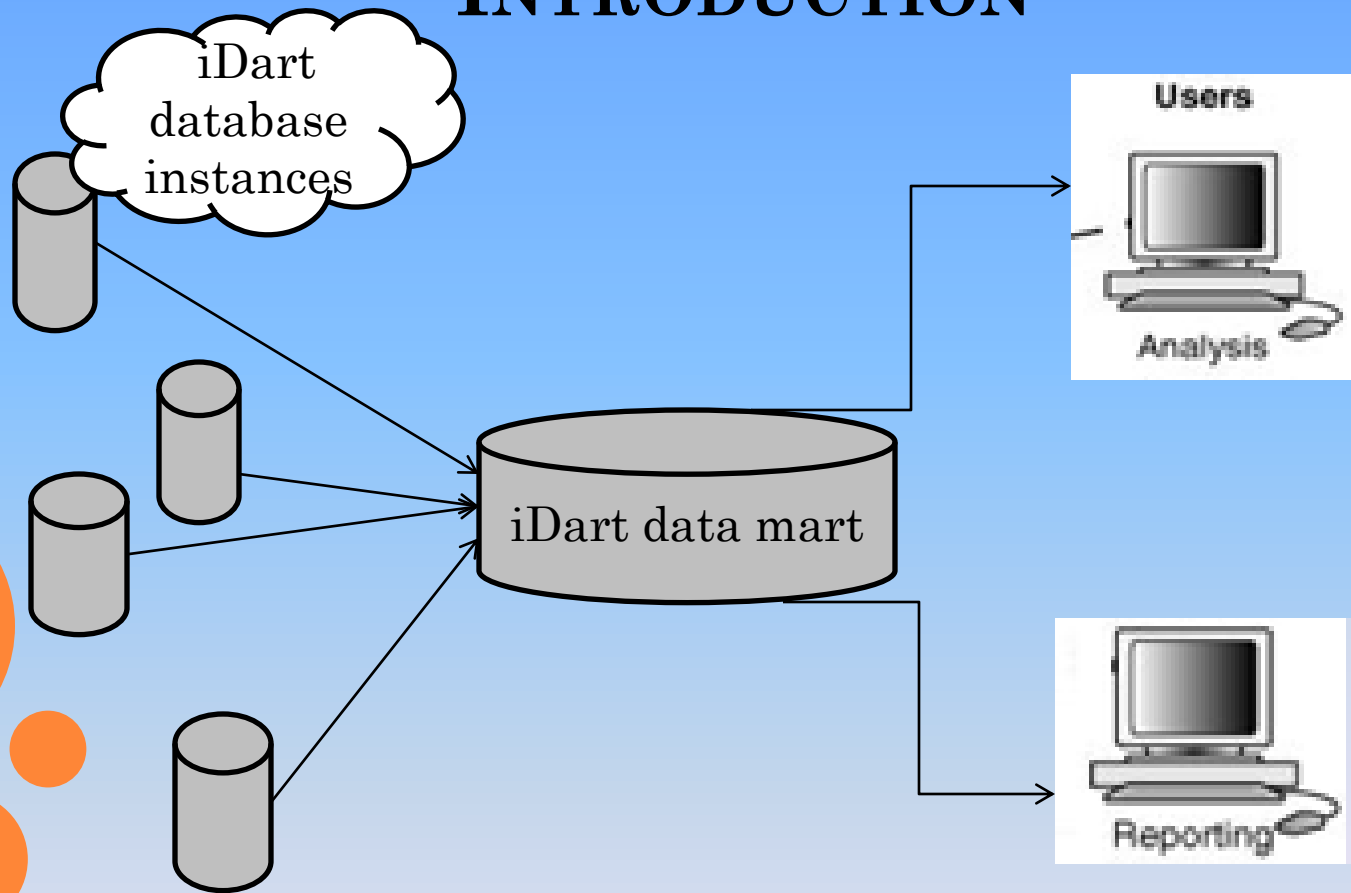
Supervisor: Dr William D. Tucker
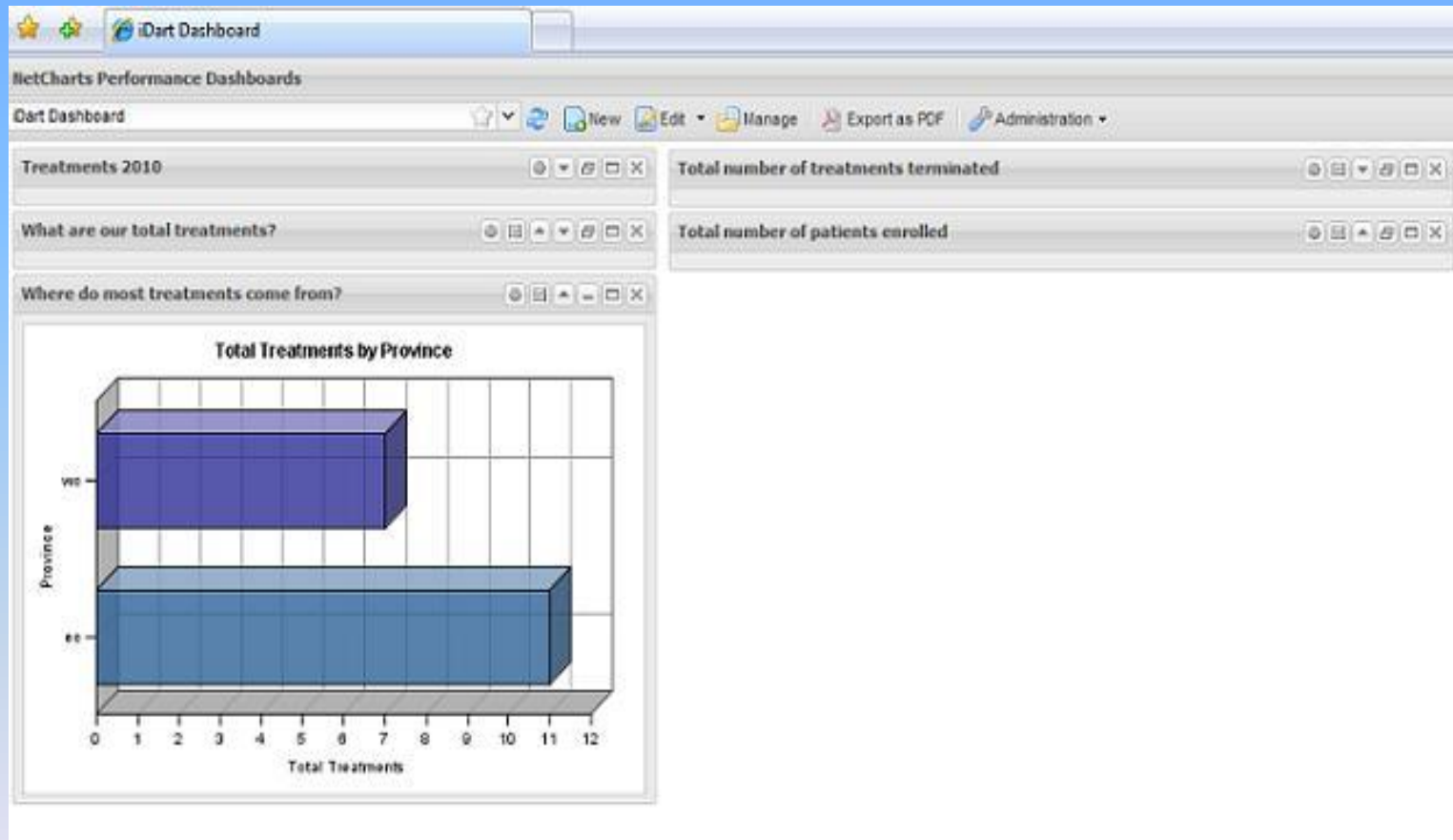
INTRODUCTION

- What is a data mart?
  - A simple form of a data warehouse that is focused on a single functional area.
- Intelligent Dispensing of ARVs (iDart) is a system used by pharmacists.
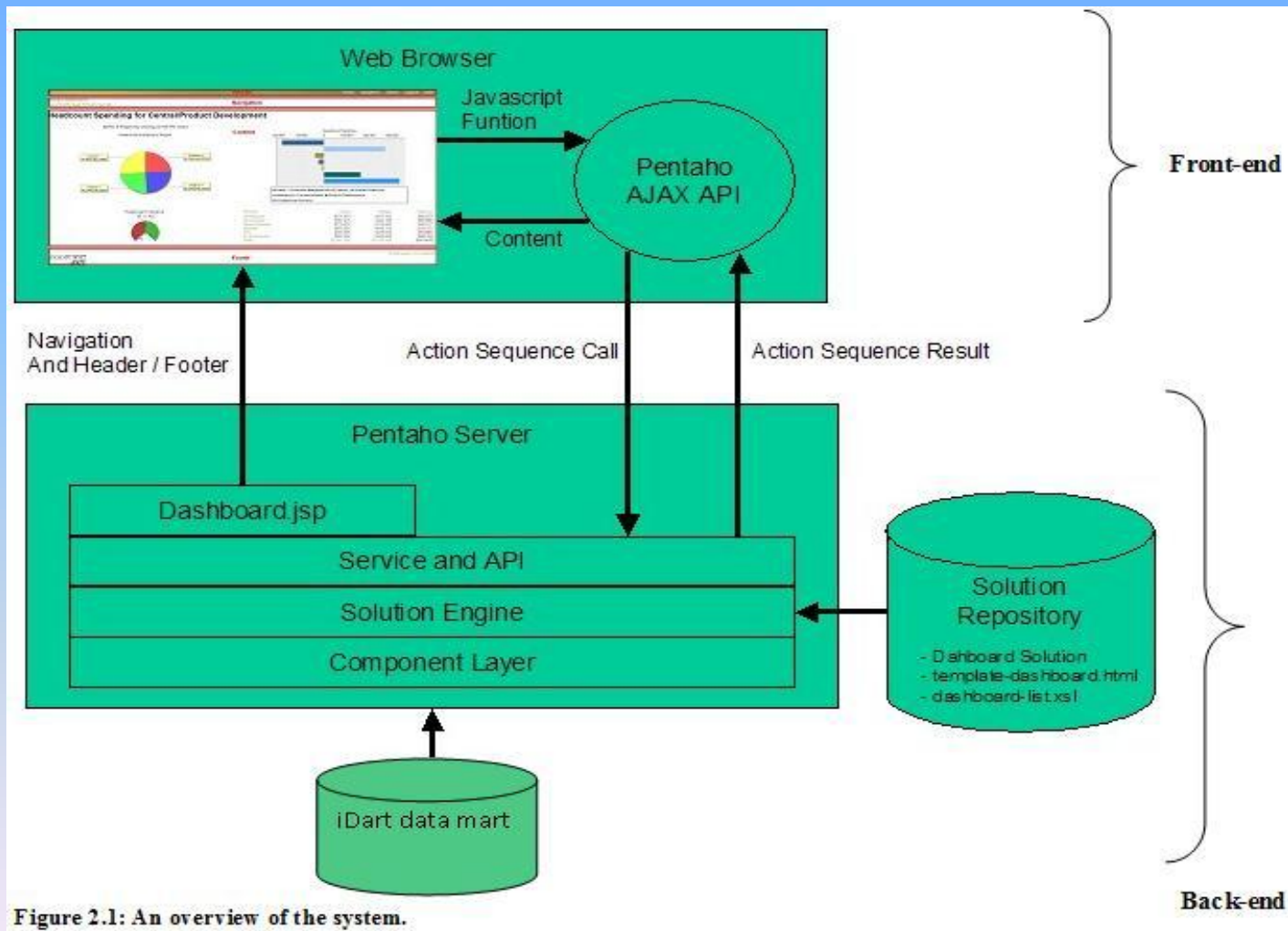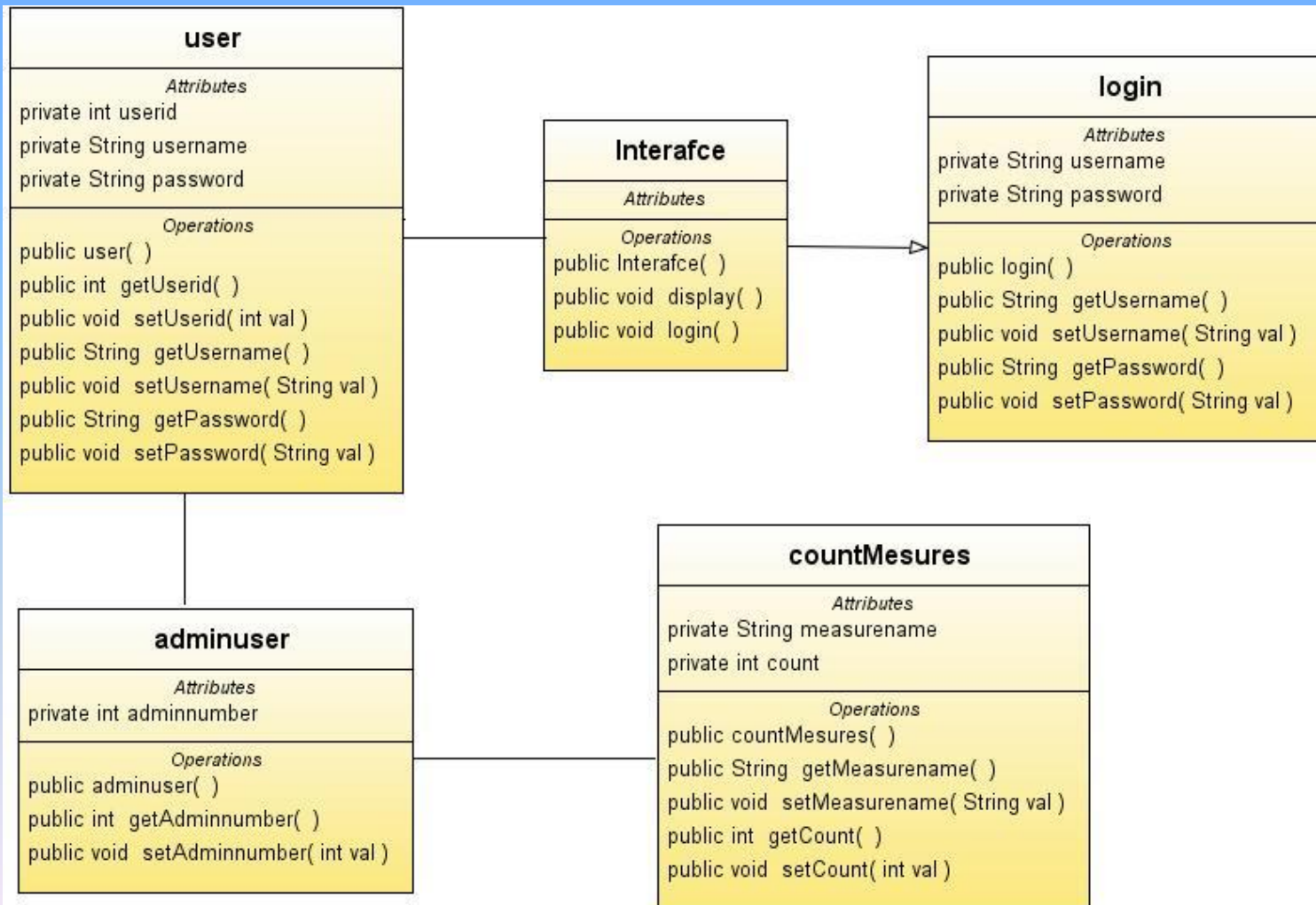- The idea, data mart for iDart ….

INTRODUCTION

iDart database instances

iDart data mart

Users

Analysis

Reporting

USER INTERFACE SPECIFICATION

SYSTEM OVERVIEW

Figure 2.1: An overview of the system.

HIGH LEVEL DESIGN

Low level design

countMesures

Attributes

private String measurename

private int count

Operations

public countMesures( )

public String getMeasurename( )

public void setMeasurename(String val)

public int getCount( )

public void setCount(int val)

LOW LEVEL DESIGN

```
public countmesure( )
    throws ClassNotFoundException,
 SQLException
  {
   Class.forName("org.postgresql.Driver");
     //load the    driver

    db =
      DriverManager.getConnection("jdbc:pos
      tgresql
      :"+database,username,password);
 //connect to    the db
  String sqlText = "select tablename & return
     mesure //mesure = # of patients
     treated,enrolled.
```

Project Plan

	Term 1	Term 2	Term 3	Term 4
Project Analysis	Project plan, URD & RAD			
Project Design		Move from logical to physical design		
Project Implementation		Learn Postgres DBM, dashboard design Prototype	Design database	
Project testing				Put data to use, create reports etc

DEMO

- Extract and load data to the data mart
- Visualise data using dashboard

QUESTIONS AND ANSWERS

Thank you!