

NOTICE!

- These materials are prepared only for the students enrolled in the course Distributed Software Development (DSD) at the Department of Computer Science and Engineering, University of Mälardalen, Västerås, Sweden and at the Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia (year 2010/2011).
- For all other purposes, authors' written permission is needed!
- The purpose of these materials is to help students in better understanding of lectures in DSD and not their replacement!

Distributed Software Development



10/9/2011



Project Vision On

Profile Analysis and Reconciliation Tool

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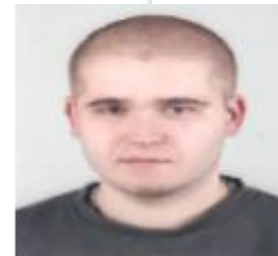
Team Organization



Marin Orlić
Supervisor (FER)



TL: Inderjeet (MDH)



PL: Igor Rutkowski (FER)



Ejaz Ali



Arno Van Lumig



De Biswanath



Davor Perić



Matija Hanžić



Robert Borošak

Roles and Responsibilities

- Igor Rutkowski(PL)
 - Team coordination, GUI developer and documents reviewer
- Davor Perić
 - Profile visualisation developer
- Matija Hanžić
 - SVN Manager
- Robert Borošak
 - GUI Developer

Continue..

- Inderjeet Singh
 - Team coordination, profile visualisation developer and documents reviewer
- Ejaz Ali
 - Documentation manager
- Arno Van Lumig
 - Quality Analysis and Server Administration
- De Biswanath

Introduction

- Fraud
- Fraud Management System(FMS)
- Fraud in telecom industries

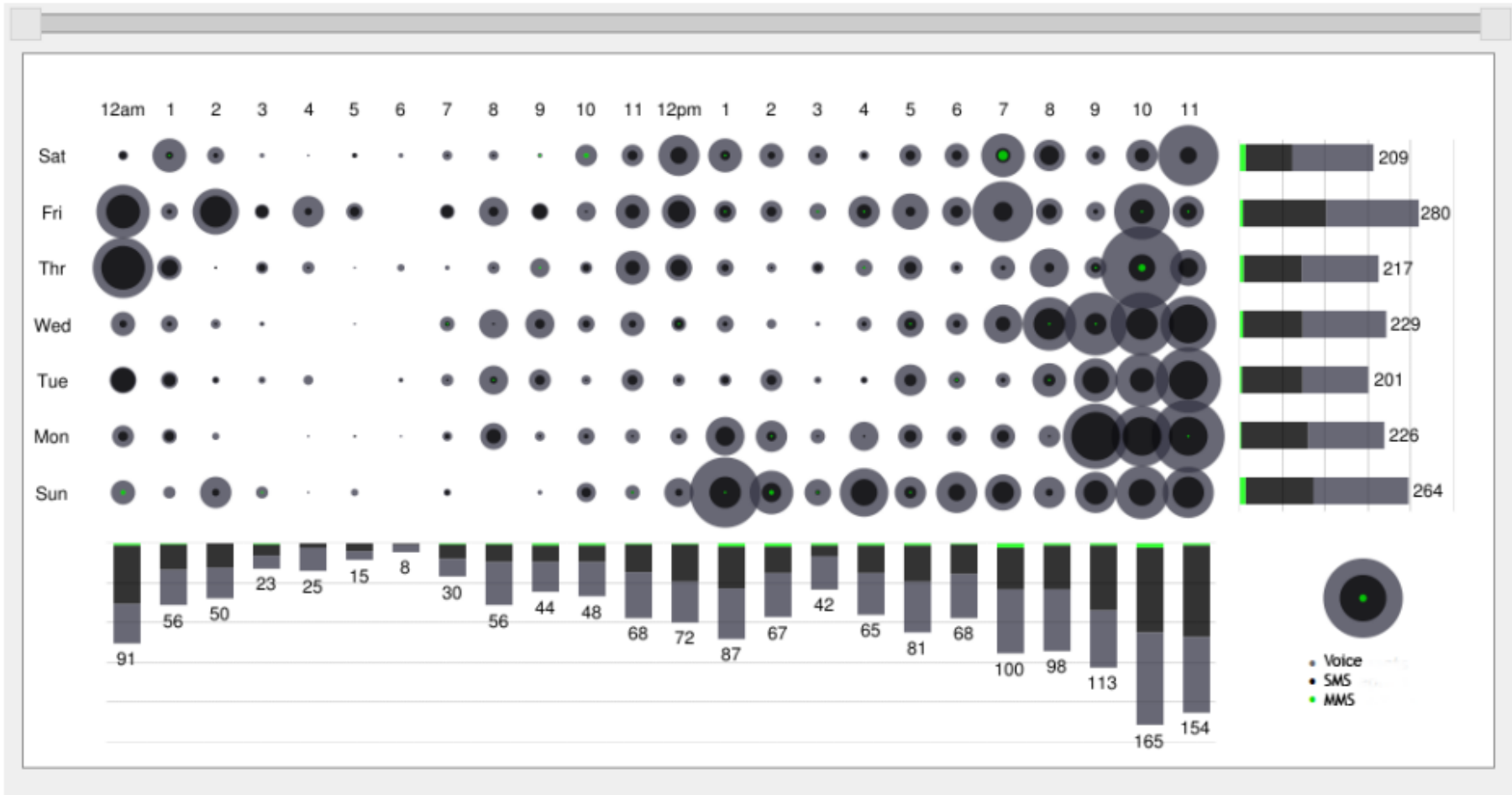
Objective

- Tool for Profile analysis
- Focus on simplifying this Tool
- Linking with FMS
- Expanding the scope

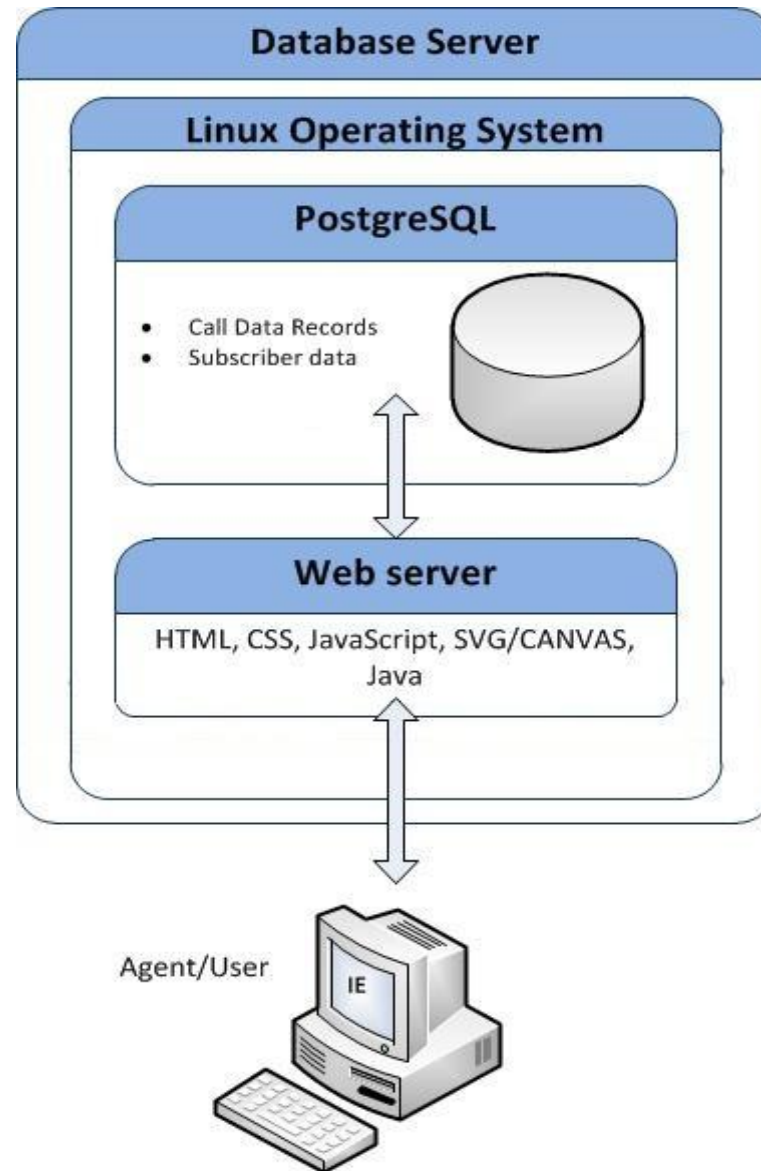
Project Overview

- Client – Server Architecture
 - Compatibility with all browsers
 - Authentication required
- Analysis of Call Details Records (CDR)
 - Call type (voice, SMS, MMS, GPRS)
 - Usage type (for voice type: on-net, domestic or international call)
 - Measure type (number of calls, duration, rated amount)
- Create and display profiles of subscribers with the use of CDR

Profile visualisation



Architecture



Tools and Software

- Language:- Java
- Database:- PostgreSQL
- Web Server:- Glassfish
- Visualization:- JavaScript with canvas api or d3.js
- Web framework:- Play!

Communication





