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X-TREME *F1*

MIS 510 – Web Mining Project

Agenda

- Business Model
- User Scenarios
- Competitive Analysis
- Novelty
- System Architecture
- Data Mining
- Team Contribution

Business Model

- One stop portal for all F1 Fans which includes:
  - F1 News, Images, Trivia, Games, Videos
  - Player, Team and Track Profiles
  - Upcoming Season Races, Discussion Forums
  - One stop shop for F1 associated products
  - Prediction System: Predict Race Outcome
- Minimize Project Cost by using external API's
- Prediction System will help viewers anticipate Team and Player performance
- Incorporate a Social Media component for F1 fans to exchange views

User Scenarios

Formula 1 Fan Community

- Learn about F1, Players and Teams
- Browse Images, Videos and News Feeds
- Check out the latest events and plan travel
- Participate in the Social Community to interact with people with similar interests
- Purchase F1 merchandise

Coaches and Sponsors

Coaches

- View Player History and Performance
- Predict Race Results to find out player performance on different tracks

Sponsors and Betting Community

- Compare Player Performance History to choose players for endorsements
- Use the Prediction feature to help place more accurate bets

Competitive Analysis

Features	Formula 1.com	Planet F1.com	Xtreme F1
Information about Races and Players	✓	✓	✓
Images , Video and Shopping	✓	Shopping N/A	✓
Travel and Races Information	✓		✓
Prediction about future Games			✓
Compare Player Performance			✓
Social Forums		✓	✓
Flexibility to Search based on your choice		✓	✓

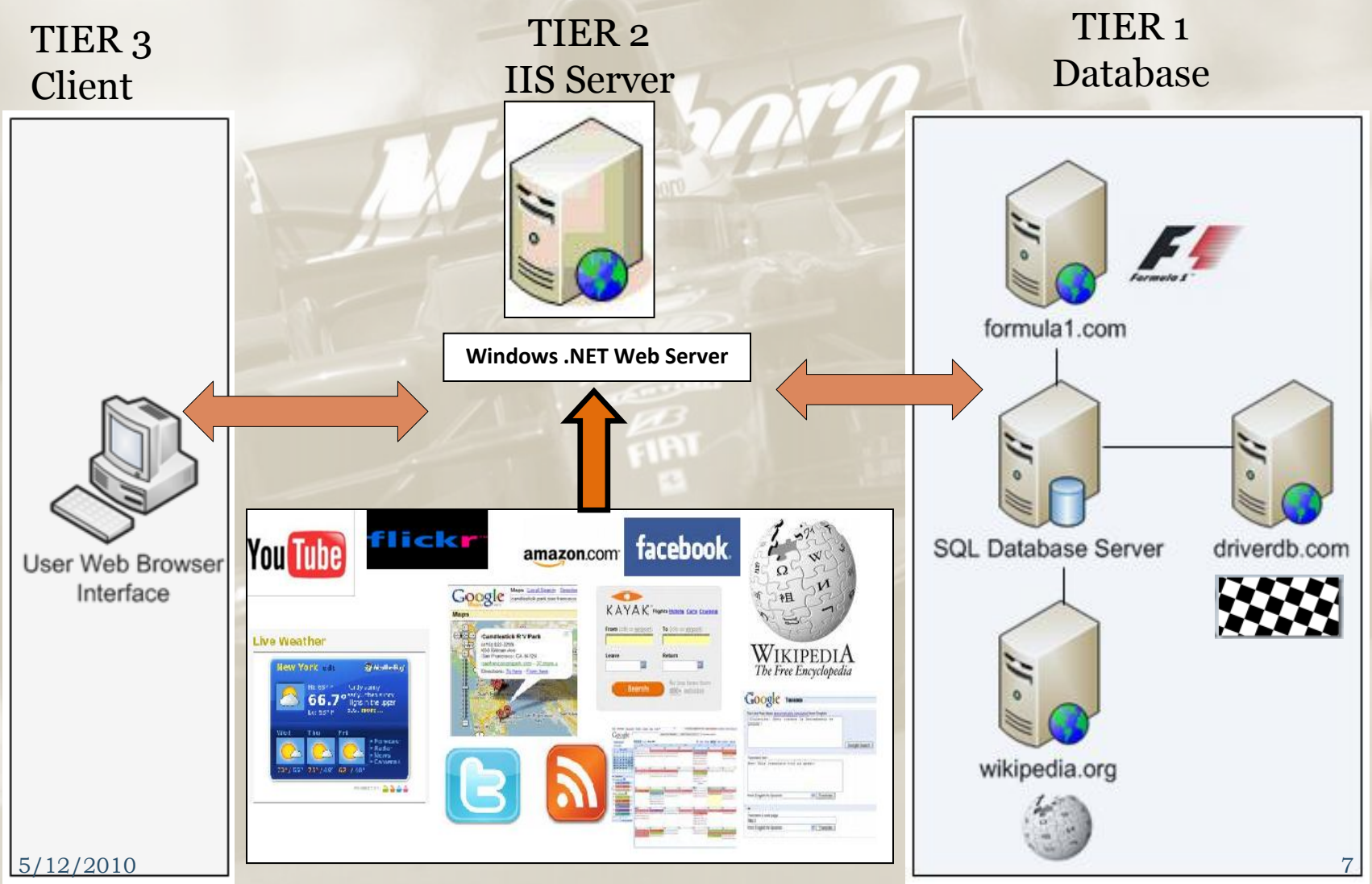
Novelty

Predicting Race Results

Compare Player Performance

Social Community

System Architecture



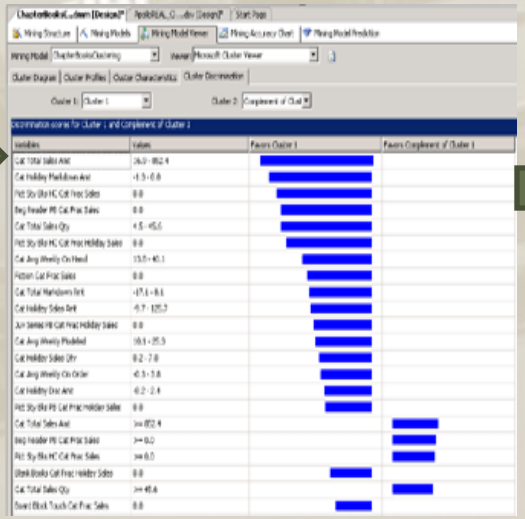
Data Mining

- **Microsoft Neural Networks Backpropogation Model**
  - Training Data : 33%
  - Used past 20 years Player Performance Data to predict results
  - Accuracy : 63.5 %

Input to the Model

- Driver Name
- Track Name
- Grid Position
- Points Scored
- Races Participated
- Race Wins
- Active Years
- Races with Fastest Laps
- Wins from Pole & First Row
- Podiums from Pole & First Row
- Average Rank

MODEL



OUTPUT

Race Outcome

System Demo


X-TREME F1
Home
Gallery
Videos
Shopping
Predictor
Discussion
Contact Us
Upcoming Races
Malaysian Grand Prix
Chinese Grand Prix
Spanish Grand Prix
Grand Prix De Monaco
Turkish Grand Prix
Latest News
FIA post-race press conference - Malaysia
Malaysian Grand Prix - selected team & driver quotes
Vettel leads Red Bull one-two at Sepang
Paddock Postcard from Kuala Lumpur
Formula 1
WELCOME
The One Stop Website for all F1 fans. It brings to you latest images,videos, news, games,predictions and a lot more....
Online Games
Matica GP F1 Game
F1 Challenge
Chinese GP Shanghai
Formula 1 Champion
Mercedes Drift
F1 Grand Prix
Driver Standings - 2010
01 Fernando Alonso 37
02 Felipe Massa 33
03 Jenson Button 31
04 Lewis Hamilton 23
05 Nico Rosberg 20
TEAMS
Find out more about the teams and drivers Click here
PLAYERS
Find out about the players and findings Click here
SEASONS
Find the latest results and standings Click here
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Team Contribution

Shruti Khanna	Parag Bhalerao
❖Data Mining Model Creation ❖Creation of Dashboard ❖API Integration and Implementation ❖User Interface and Development ❖Database Connectivity & Forum Implementation	❖ Data Mining Integration ❖API Integration and Implementation ❖User Interface and Development ❖RSS Feeds ❖Creating Report ❖Forum Integration
Vinay Kabde	**Deepali Muddebihal**
❖ Data Mining Model Creation ❖ API Implementation ❖ Data Entry & Database Design ❖ Website Design ❖ Creating Report ❖ Flash Development	❖Data Spidering and Parsing ❖Data Entry ❖Database Schema ❖API Implementation

Questions


GETTY IMAGES


QA


MELBOURNE
AUSTRALIA
ING
AUSTRALIAN
GRAND PRIX
MELBOURNE 2009
FIA Formula 1


forceIndia
formula one team
Red Bull
racing
BMW Sauber F1 Team
Honda Racing F1 Team
TOYOTA
VODAFONE McLAREN MERCEDES
SUPER AGURI
F1 TEAM
ING
RENAULT F1 Team
at&t
WILLIAMS
SCUDERIA
Toro Rosso