IPRO 305

User-Generated Map Content



Introduction

Products Value Proposition Problem Statement Goals Project Approach Team Organization Project Monitoring/ Tracking Risk Management Project Execution Challenges Major Accomplishments Conclusions Acknowledgements

Introduction

Corporate sponsor: NAVTEQ Digital map content provider Over 80,000 data sources

Clients and consumers

Introduction Products

Products Value Proposition

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Maidadesopesition

Bestringentivestrively completion
 quality discurrence per community

User – generated

map

content

Data prification

User

NAVTEQ

NAVTEQ

Clients

Introduction Products Value Proposition

Problem Statement

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Problem Statement

No prior main lexists to investigate crove sourcing for user-generated map data

Introduction **Products** Value Proposition **Problem Statement** •

Goals

Project Approach Team Organization Project Monitoring/ Tracking **Risk Management Project Execution** Challenges **Major Accomplishments** Conclusions **Acknowledgements**

Identify 4-5 community groups Determine group incentives and incentive structure Collect and analyze community generated map content Draw conclusions from data analysis \bullet Formulate future IPRO305 goals

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Project Approach

Team Organization Project Monitoring/ Tracking Risk Management Project Execution Challenges Major Accomplishments Conclusions Acknowledgements

^project Approach

Design map data-collection experiment – NOKIA N97 mini mobile device - 'King of The Road' mobile application Design data analysis strategy Enlist community groups Conduct experiment trial-run Learn from the experiment

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Team Organization

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Team Organization

Team Leader

Community Group Liaisons

IPRO Deliverables Team

Data Analysis Team Introduction Products Value Proposition Problem Statement Goals Project Approach Team Organization

Project Monitoring/ Tracking

Risk Management Project Execution Challenges Major Accomplishments Conclusions Acknowledgements

Project Monitoring

Project plan monitoring

Tasks creation and resource allocation

Weekly status reporting

Sponsor updates

rackinc

- Community group updates
- Tasks status updates

Tools used

- Microsoft Project Plan
- Timesheet application
- Discussion board
 - File sharing

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Risk Management

Project Execution Challenges Major Accomplishments Conclusions Acknowledgements

kisk Management

- Risk identification, assessment
 - Data collection experiment feasibility
 - Data analysis validity
 - 'King of The Road' readiness
- **Risk mitigation**
 - Data collection experiment trial-run
 - Data analysis prototype
 - Provide users time to explore 'King of The Road'

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Project Execution

Challenges Major Accomplishments Conclusions Acknowledgements

Project Execution







Chicago Nightlife Community: College students and business professionals POI data: Restaurants, bars

Downtown Evanston

Community: Business people

POI data: Tenancy

Northwestern University Community: Football coaching staff, interns

POI data: Restaurants, practice fields

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Project Execution

Challenges Major Accomplishments Conclusions Acknowledgements

	Control (no incentive)	Individual Incentive	Community Incentive
Group A	Weeks 2-3	Berwyn v	Weeks 4-5
Group B	(171) North River	Weeks 4-5	Weeks 2-3
Group C		Weeks 2-3	Weeks 4-5

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Project Execution

Challenges Major Accomplishments Conclusions Acknowledgements

Project Execution

Results

- 1st place: Downtown Evanston: 1330 Points
- ^{2nd} place: Northwestern Football: 200 points
- 3rd place: Chicago Nightlife: 40 points

Individual winner: Stamata Blanas

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Challenges

Major Accomplishments Conclusions Acknowledgements

Challenges

- 'King of the Road' user interface
 Preaching patience
 Adjustments
 - Economical constraints
 - New online data-collection tool

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Major Accomplishments

Conclusions Acknowledgements

Major Accomplishments

Development of the experiment
Establishment of relationships with community groups
Identification of highest quality incentives

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Conclusions

Acknowledgements

Conclusions

Real world issues

Executing alternate strategies

Collecting useful data for NAVTEQ

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Acknowledgements

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