

Friend Finder App

Requirements Negotiation with Winbook

Requirements Engineering II

Agenda

1. Overview of elicited requirements
 - a. General Statistics
 - b. Key findings
 - c. Requirement / Category Matrix
 - d. Prioritisation of Requirements
2. Process Retrospective
 - a. Project Progress
 - b. Personal Experience with WinBook

Overview of elicited requirements

General Statistics

- 7 stakeholders
- 8 Categories
- 12 Win Conditions (10 FR, 2 NFR)
 - 10 agreed
 - 1 potential agreed
 - 1 open
- Mainly Feature Requests & Security Issues
- 0-6 agreements per requirement
- 0-2 issues per requirement
- 0-1 options per requirement

Overview of elicited requirements

Key findings

A function could match people randomly to a random event (50)



There should be a messenger included (100)



There should be a collaborative Calendar function (89)



Profil should include habits, frequent activities, picture.. (76)



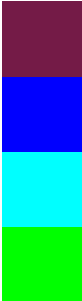
A personal profile should be included (76)



The recommendation should be location-based (55)



0.745	Friend search (based on gender, profile...)								
0.652	Categorize & grouping function (interests, regions, ...)								
0.611	Suggest, plan, participate in activity								
0.586	Character based recommendation								
0.530	Messaging								
0.526	24/7 availability								
0.518	Search function (experience, ...)								
0.505	Location-based friend search for specific activities								
0.482	Add experience								
0.447	Identity Check / Account Verification								
0.442	Calendar synchronization, search & sharing								
0.351	Experience based recommendation								



Friend/Activity-Recommendation

Performance & Availability

Location-specific content

Feature Request



Security & Privacy

Calendar Synchronization

Potential Risk

Member2Member Communication

Overview of elicited requirements

Sample Discussion



Robert
Richter

Win Condition (WC_1584): [Security & Privacy](#) [Location-specific content ...](#)

Potential Risk

The should be a way to show all people in the area doing a specific activity at the moment. Like, somebody is jogging at the moment and would care for company or a group of guys are playing frisbee and there is still a need for more players.

[Disagree](#) · [Comment](#) · [Raise Issue/Concern/Risk](#)

You, Arthur Toenz, Nikita Shah, Stefan Cortali *agree to this*



Raffi

Issue (Iss_932):

This should work based on the current location of the user if he opens the app on a smartphone. This could work based on augmented reality.

[Close Issue](#) · [Comment](#) · [Suggest Option/Alternative\(s\)](#)



Arthur Toenz

Issue (Iss_896):

Like a Map with icons on it showing what people in the area are doing ? This sounds very interesting

[Close Issue](#) · [Comment](#) · [Suggest Option/Alternative\(s\)](#)



Beat Kuster

Option (Opt_416):

There must be very well designed privacy settings. If somebody is able to track somebody else on a map that's a sensitive issue.

[Disagree](#) · [Comment](#)

Robert Richter, Arthur Toenz, Nikita Shah, You *agree to this*

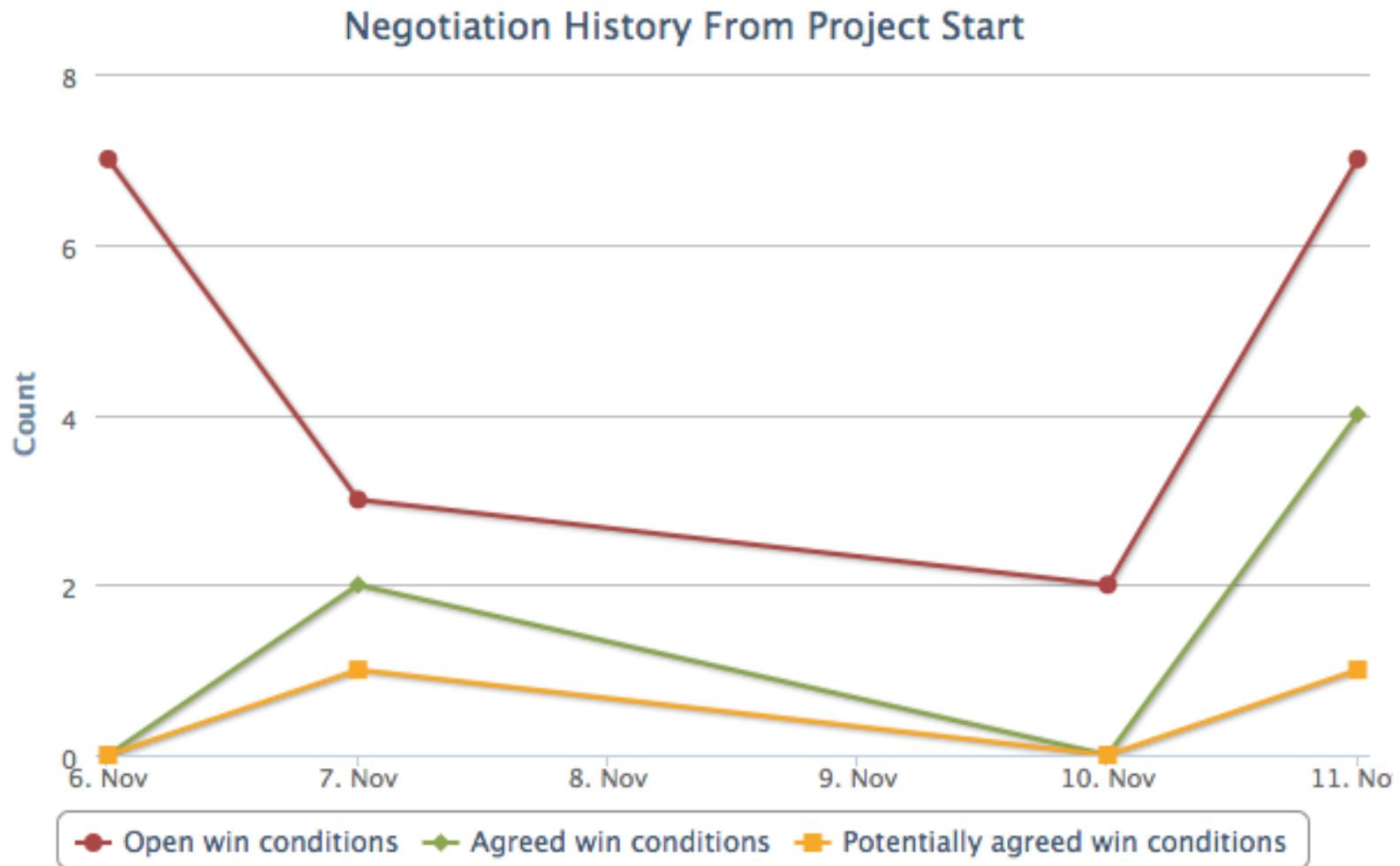
Overview of elicited requirements

Prioritization

- TOPSIS-based prioritisation based on
 - Business value (0.7)
 - Relative penalty (0.5)
 - Ease of realization (0.6)
- ➔ Focus on friend & activity recommendation
- ➔ Security & communication are crucial but somewhat more difficult to implement

Process Retrospective

Project Progress



Process Retrospective

Personal Experience with Winbook

- **Label-based and comment-oriented** board is useful but becomes complex to handle with an increasing number of Win Conditions
- **TOPSIS-based prioritisation** is powerful, but cognitively demanding
- Many functions are somehow buggy or unintuitive
- Hierarchy among requirements elicited in TOPSIS should be displayable in the boards



Clearly sophisticated approach, but needs to be further elaborated

Discussion

Thank you