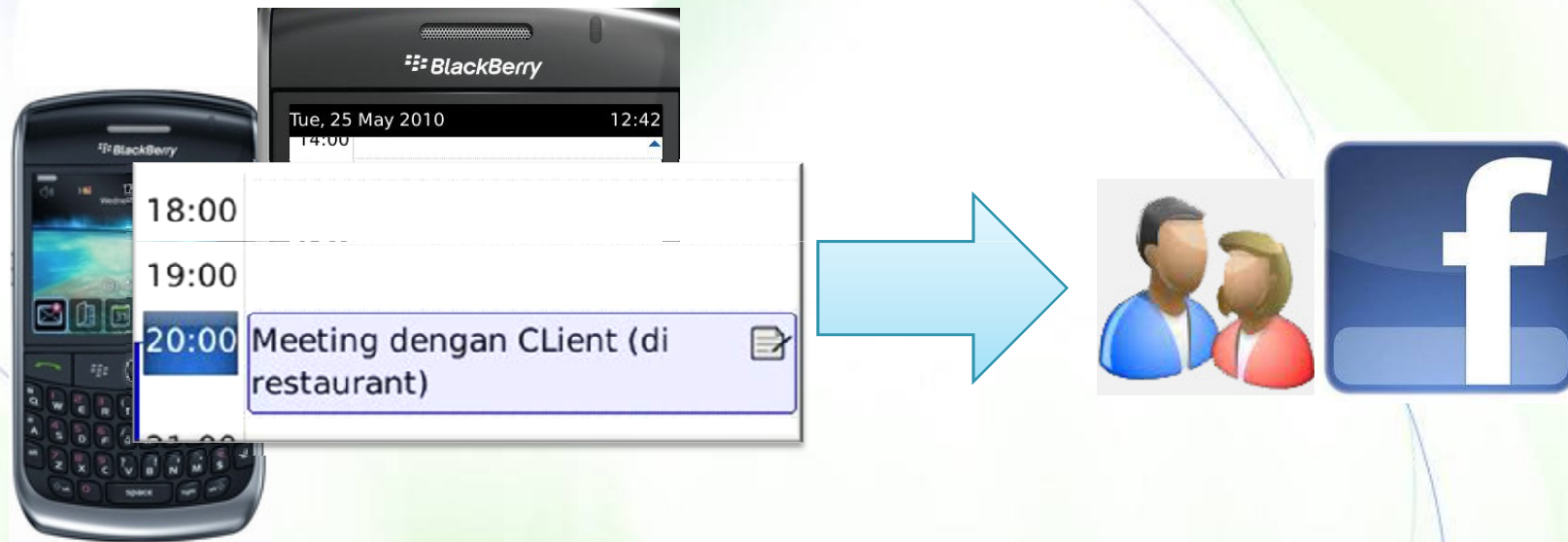


# Design and Development of Facebook Agenda Application that Integrates with BlackBerry Handset

**Deny Hendrata (26406140)**

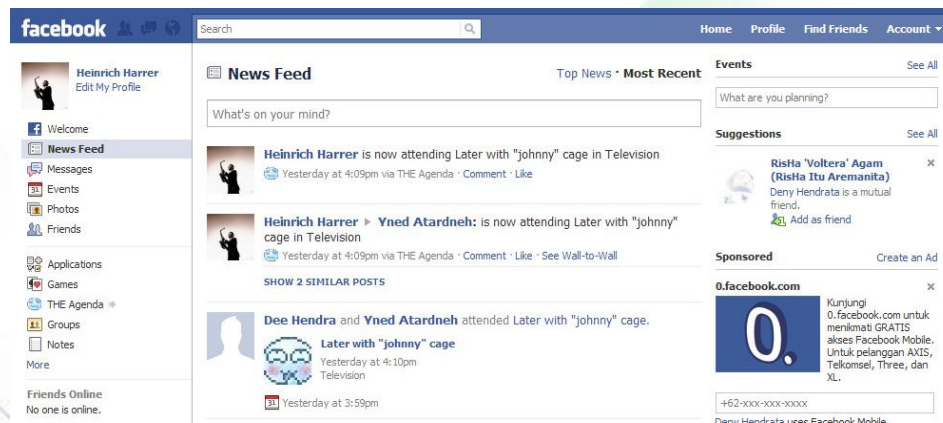
# Background

- BlackBerry User wants to inform his Friends on Facebook about the Events in his BlackBerry.



# Background (cont'd)

- User wants a Facebook Application that notifies him on upcoming Events, either through his Facebook Homepage or by e-mail.



- Either Facebook Users are having difficulties to find a Facebook Application that receives Event informations from BlackBerry and that's user friendly / easy enough to use, or such application doesn't exist on Facebook (as of December 2009).

# Problems

- To bring the BlackBerry Events to an application that **utilizes** the Facebook Events API (features) and the other Facebook features.
- To build an application that functions as an Event agenda, that runs on the Facebook Platform.
- To build a Mobile Application (mobile app) that **reads** and **transfers** Event informations from the BlackBerry to the Facebook Application.
- To build User Friendly / easy to use agenda application.

# Objective

- Users are able to share / publish their transferred BlackBerry Events to the *Wall* of their own or their friends' *Wall*, so that friends can take further actions towards the shared Events (be it taking part by *RSVP*-ing to the Event or downloading the *vcs* file to be added to their mobile phones / desktop applications) and get notified on any upcoming Events.

# Scope

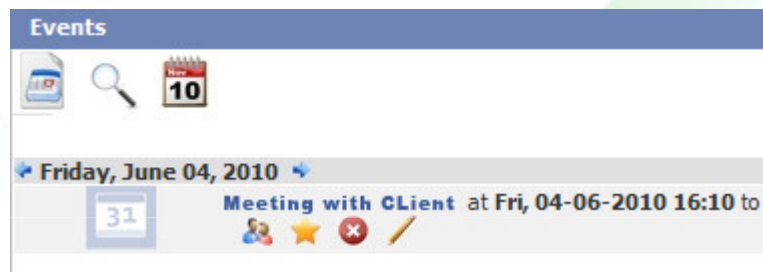
- The mobile app reads only Standard fields of the Events, the non-recurring ones, and the non-All Day Events.
- The Database contains all the Event informations being exported from the mobile app.
- The agenda creates Event instances in the Facebook Database (exact copy) based on the Events that were created in the Database, automatically.

uid	summary	location	startdate	enddate	note	pr
100000577867508	dicoba	rumah	2010-05-20	2010-05-24	iuga	0
100001088653138	Meeting dengan Client	di restaurant	2010-05-25 20:00:00	2010-05-26 12:00:00	Global Warming	0

# Scope (Cont'd)

- The actions a user may take (in the agenda), including : Cancel, Edit, Create, Share, Invite.

**CANCEL**



**Notifications**

Heinrich Harrer canceled the event "Makan makan". Heinrich gave: "This event "Makan makan" has been cancelled, we are

**Edit Event Meeting dengan CLIENT**

name: Meeting dengan CLIENT  
location: di restaurant  
description: Global Warming  
start date: 25 May 2010 at 20:00  
end date: 26 May 2010 at 12:00

**EDIT**

**Create Event**

name: Music Concert  
location: venue  
description: Mick Jagger  
start date: 2010 at 21:00  
end date: 2010 at 23:30

**SHARE**

**INVITE**



**Notifications**

Heinrich Harrer posted something on your Wall. about a minute ago

[See All Notifications](#)

**CREATE**

# Scope (Cont'd)

- The agenda notifies the User (through the Dashboard and via e-mail).

The screenshot displays a Facebook profile for Heinrich Harrer. On the left, a navigation menu lists various features: Welcome, News Feed, Messages, Events, Photos, Friends, Applications, Games, THE Agenda (1), Groups, Notes, and More. The 'Applications' section is highlighted, and a mouse cursor points to the 'THE Agenda' application, which is circled in red. The main content area shows 'Your Applications' with a notification for 'THE Agenda' (3 friends) stating '(20:40:11) You have an Upcoming event this is secre... \* See Details'. Below this is the 'Developer' application (1 friend) with the note 'Used on Monday'. A link to 'See all your applications' is provided. The 'Friends' Applications section is also visible at the bottom.

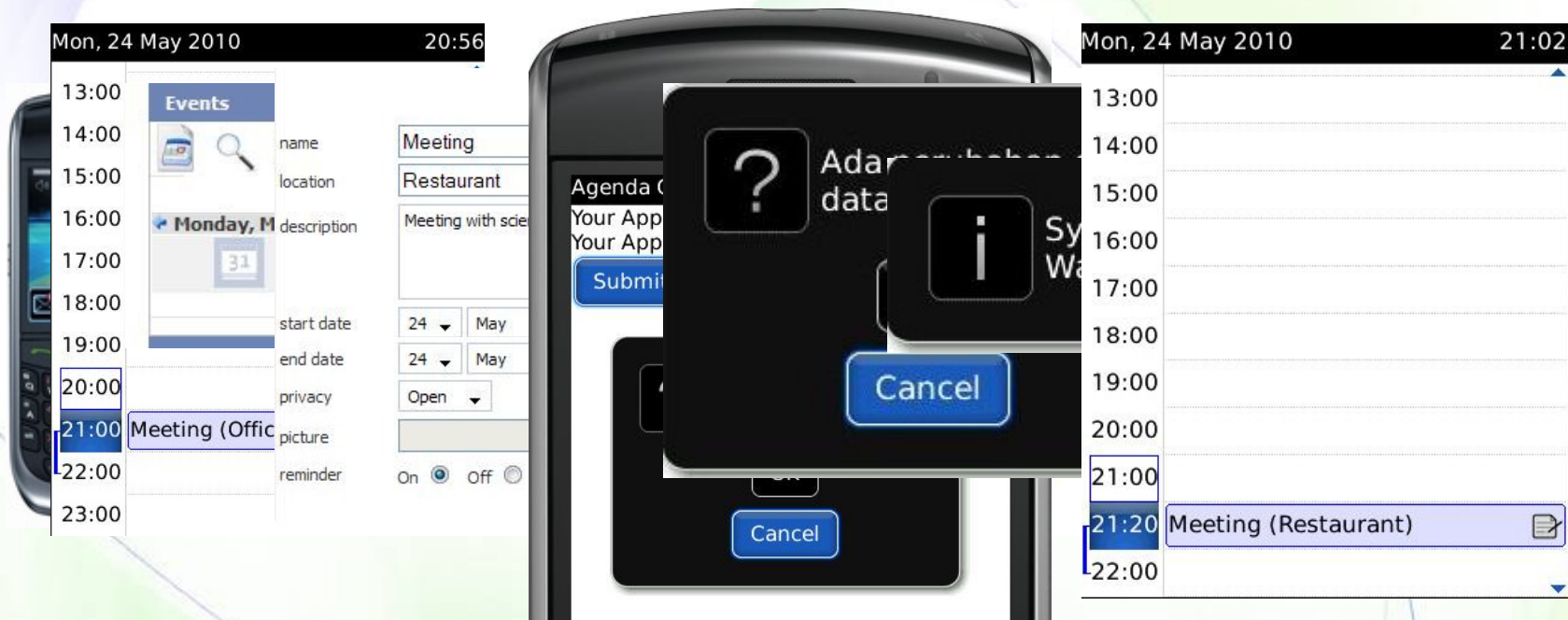
# Scope (Cont'd)

- The agenda shares / publishes the Event(s) on behalf of the User.

The screenshot displays a Facebook interface with a 'Publish this story to your friend's Facebook Wall?' dialog box. The dialog box has a title bar with a close button and a 'Publish to:' dropdown menu set to 'Yned Atardneh'. Below the dialog box, the user's profile is visible, including a profile picture, the name 'Yned Atardneh', and navigation tabs for 'Wall', 'Info', and 'Photos'. The 'Wall' tab is circled in red. A 'What's on your mind?' text box is present. The news feed shows a post by Heinrich Harrer, which is highlighted with a red box. The post text is 'Ayo Berpartisipasi dalam Event ini' and the location is 'mana ya enaknya'. The post is timestamped '2 minutes ago via denyh' and includes interaction options like 'Comment', 'Like', 'See Wall-to-Wall', and 'Download'. Another post by Heinrich Harrer is visible below, timestamped '10 minutes ago via denyh'.

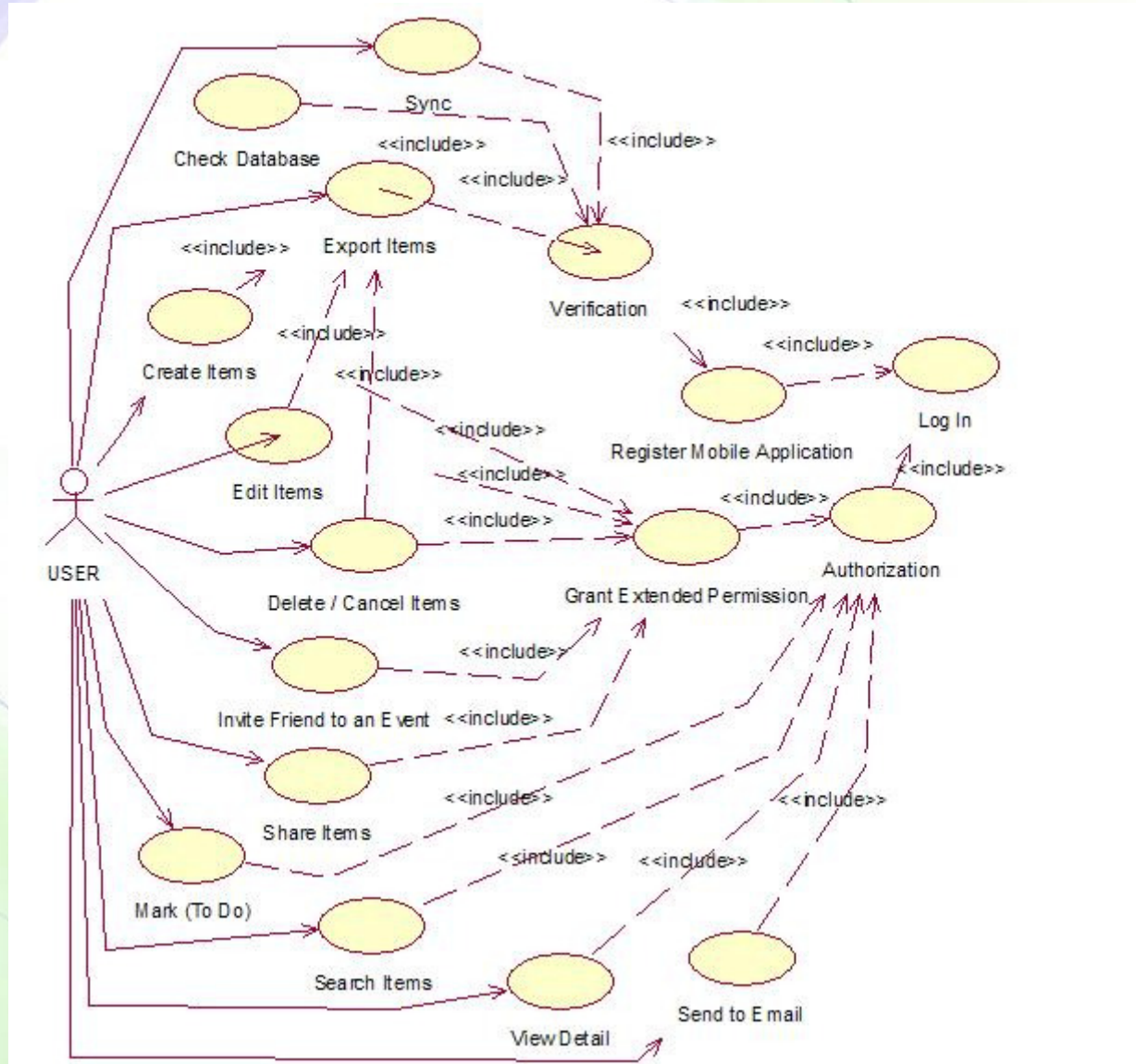
# Scope (Cont'd)

- (Additional) The mobile app checks for changes in the Database and then synchronizes with it on behalf of the User.



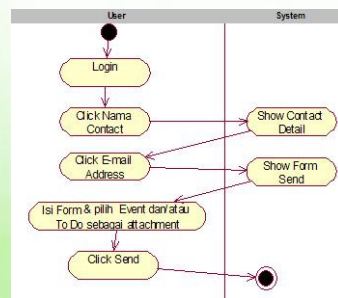
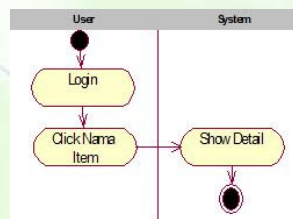
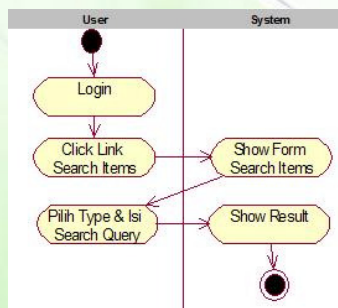
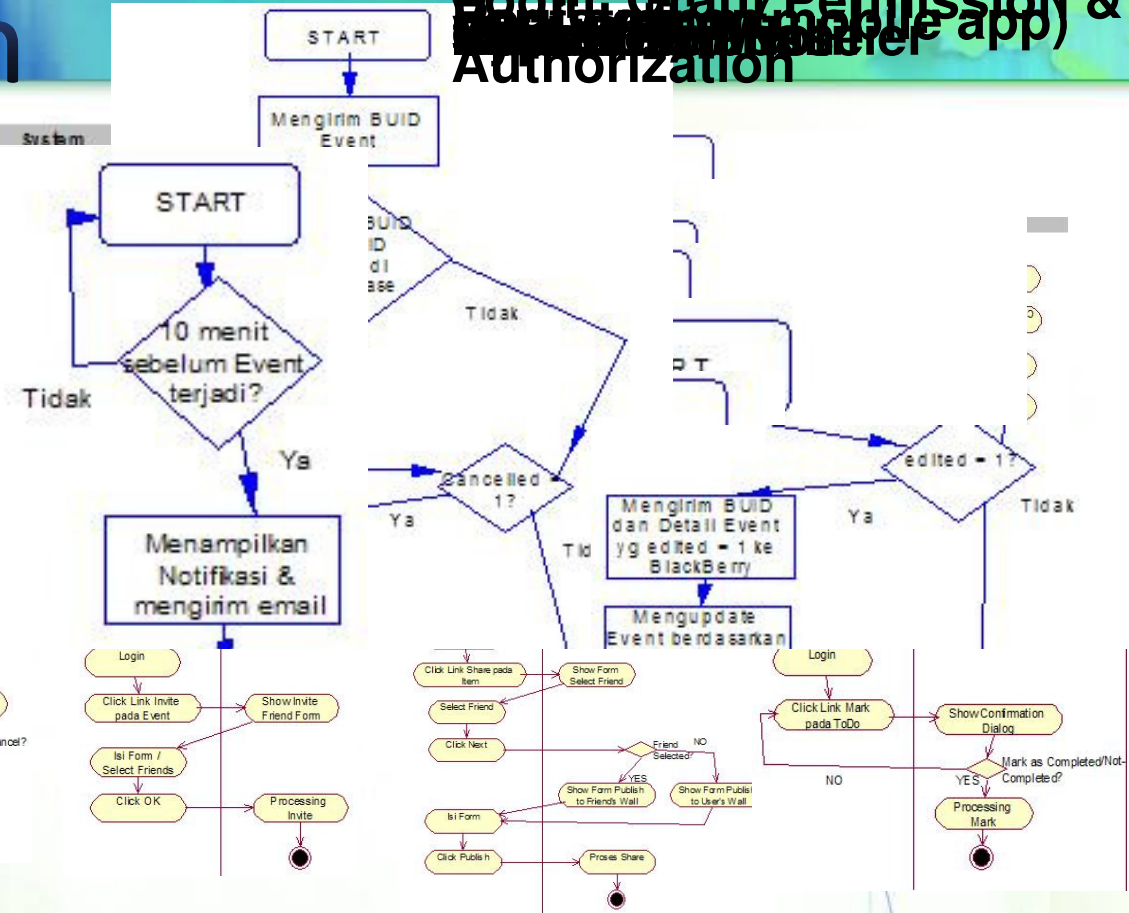
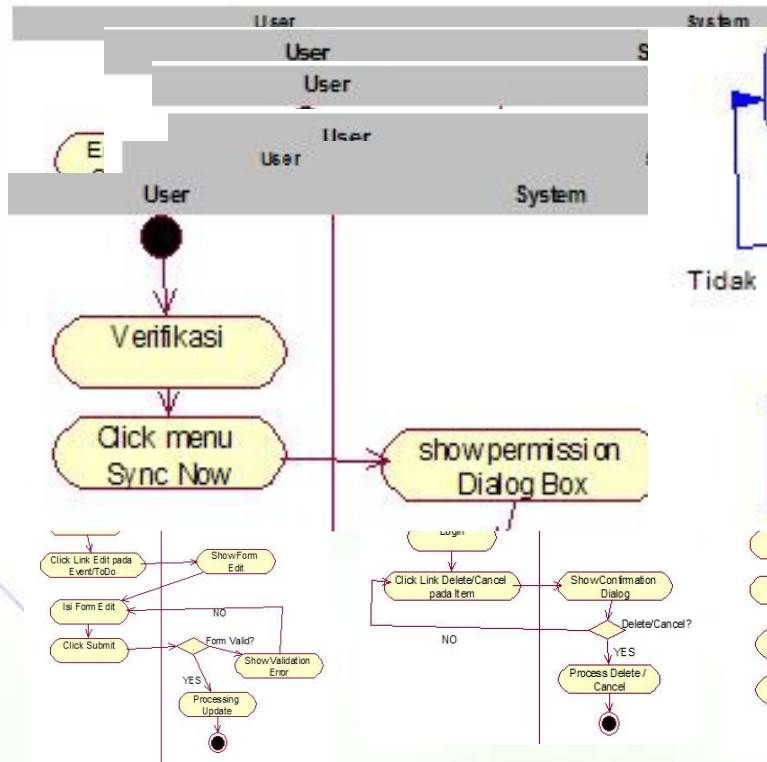
- (Additional) The additional types of personal information that the agenda can handle : To Do Lists and Contacts.

# System Design (Use-Case Diagram)



# System Design

## Login, Grant Permission & Authorization (Mobile app)



```
ERROR: undefined
OFFENDING COMMAND: ~
STACK:
```