



Facebook Applikationen mit RubyOnRails

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- **Einführung**
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facebook

E-Mail-Adresse:

Passwort:


Angemeldet bleiben

[Passwort vergessen?](#)



Facebook ist eine Plattform, die dich mit den Leuten um dich herum verbindet.

Mit Facebook kannst du

-  Mit Freunden und Familie in Verbindung bleiben
-  Fotos und Videos teilen
-  Deine Privatsphäre online schützen
-  Ehemalige Klassenkameraden wiederfinden

Finde deine Freunde bei Facebook

oder [Nutze den Freundefinder](#) ▶

Für Facebook registrieren

Es ist kostenlos und jeder kann mitmachen.

Vollständiger Name:

Deine E-Mail:

Neues Passwort:

Ich bin:

Geburtsdatum: Tag: , Monat: , Jahr:

[Warum muss ich das angeben?](#)

Indem du auf Registrieren klickst, bestätigst du, dass du die Nutzungsbedingungen und Datenschutz-Policy gelesen hast und diesen zustimmst.

The screenshot shows the Facebook interface for the 'All Friends' page. The top navigation bar includes 'facebook', 'Profile', 'edit', 'Friends', 'Inbox (3)', 'home', 'account', 'privacy', and 'logout'. The left sidebar contains a search bar, 'Applications' (Photos, Groups, Events, Marketplace, Developer, 'Where did I leave it?'), and an advertisement for 'Die coolsten Animationen' featuring 3-D effects and emojis.

The main content area is titled 'All Friends' and includes a search bar for friends. Below this, there are tabs for 'Status Updates', 'Recently Updated', 'Everyone', and 'More...'. A message states 'You have 6 friends.' The list of friends includes:

- Aljoscha Marcel Everding**: warum zeigt mir der dämliche FF3 die Tabs der letzten Session an, wenn ich ihn neu starte und keine leere Seite, wie ich es eingestellt ... (5 minutes ago)
- Indiginox GmbH**
- Matthew Langham**: Lots of trains cancelled but im on one that's on a route around the problem. (on Friday)
- Isabell Reike**
- Ashley Steele**: at that favourite customer again...flora farm... you get the pictureperfect setting to work. (on Wednesday)
- Ryan Williams**: I'm enamored with the ThinkingRock app (<http://www.thinkingrock.com.au>). Very complete Getting Things Done tool! (last Tuesday)

At the bottom, there is a section titled 'Find friends in your address book who are already on Facebook.' It contains a form with 'Your Email' (input field and dropdown menu), 'Password' (input field), and a 'Find Friends' button. A disclaimer below the form reads: 'We won't store your login info or contact anyone without your permission.'

The right sidebar shows 'Friend Lists' with 'All Friends' selected, and options to 'Find Friends' and 'Invite your friends to join Facebook.'

The screenshot shows the Facebook Application Directory interface. At the top, there's a navigation bar with 'facebook' logo, 'Profile edit', 'Friends', 'Inbox (3)', and links for 'home', 'account', 'privacy', and 'logout'. Below the navigation bar is a search bar for applications. The main content area is titled 'Application Directory' and features four tabs: 'Recently Popular', 'Most Activity', 'Most Active Users', and 'Newest'. The 'Recently Popular' tab is selected. The directory lists five applications:

- Social Profile** (By Chainn Inc.): See your own profile and your friends' profiles, as put together by your friends. Meet and contact friends of friends. 84,869 daily active users (20) — 40 reviews.
- Circle of Trust** (By Chainn Inc.): Trust gathers trustworthiness ratings across your network and tells you who you can trust and who you can't. 17,041 daily active users (20) — 56 reviews.
- Testimonials** (By Chainn Inc.): Use Testimonials to gather your personal, professional and academic references in one place from your teachers, friends, and co-workers. 26,239 daily active users (20) — 1 friend — 93 reviews.
- Traveler IQ Challenge** (By TravelPod.com): Compete to find where famous places, cities, and travel destinations are located. Your Traveler IQ is based on how close you clicked and how quickly you found the spot. Just install and go! Have fun! 17,730 daily active users (20) — 72 reviews.
- Sparkey** (By Chainn Inc.): Connect to all of the beautiful men and women in your friends' networks on Facebook. See what others think of them, and find out who's interested in you. 203,119 daily active users (50) — 112 reviews.

On the right side, there are filters for 'Applications by Language' (set to English) and 'Browse Applications:' with a list of categories: All, Alerts, Business, Chat, Classified, Dating, Education, Events, Fashion, File Sharing, Food and Drink, Gaming, Just for Fun, Messaging, Mobile, Money, Music, Photo, Politics, Sports, Travel, and Utility.

On the left side, there's a 'Search' bar, a list of 'Applications' (Photos, Groups, Events, Marketplace, Developer, Where did I leave it?), and an 'Online-Tester gesucht' advertisement.

facebook Profile edit Friends ▾ Inbox (3) ▾ home account privacy logout

Search

Applications edit

- Photos
- Groups
- Events
- Marketplace
- Developer
- Where did I leave it?
- more

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Back to Developer Home

New Application

Required Fields

Application Name
(Limit: 50 characters)

Check here to indicate that you have read and agree to the terms of the Facebook Platform.

Optional Fields

Base Options

Developer Contact E-mail
(Limit: 100 characters)
For Facebook correspondence only. We will contact you at this address if there are any problems or important updates.

User Support E-mail
(Limit: 100 characters)
Messages sent from users on your application's help page will be sent to this address.

Callback URL
(Limit: 100 characters)
After logging into Facebook, users are redirected to the callback URL. See [authentication overview](#) for more details.

Canvas Page URL
 Use FBML Use iFrame
Your application will be viewable in the Facebook navigation at this URL - either as rendered FBML or loaded in an iFrame. If you aren't sure what you should use here, choose FBML. You can use iFrames within FBML on canvas pages with the `<fb:iframe>` tag, and most things you will want to do will be easier and faster with FBML.

Application Type Website Desktop

Mobile Integration My application uses the mobile platform
Checking this will enable some additional SMS functionality for applications.

IP Addresses of Servers Making Requests
(comma-separated)
If you supply this information (e.g. 10.1.20.1, 10.1.20.2), requests from addresses other than those listed will be rejected.

Allow IP Blocking Exceptions Yes No
If your application has a client-side component making API requests with session secrets, select this to ignore IP blocking for these requests.

The screenshot shows the Facebook 'Where did I leave it?' application. The top navigation bar includes 'Profile', 'edit', 'Friends', 'Inbox (3)', 'home', 'account', 'privacy', and 'logout'. The left sidebar contains a search bar, application categories like 'Photos', 'Groups', 'Events', 'Marketplace', 'Developer', and 'Where did I leave it?', and an advertisement for 'Washington DC real estate' featuring the US Capitol building.

The main content area is titled 'Where did I leave it?' and has tabs for 'Home', 'Find something!', and 'Found it!'. It is divided into several sections:

- Latest additions:** A list of items found, including 'Ipod found on Desk', 'Letter found on Desk', 'Passport found in Trekking rucksack', 'Watch found under Bed', and 'Watch found under Bed'.
- Latest searches:** A list of search terms such as 'Ipod', 'Slippers', 'Book', 'Bunch of keys', and 'Pocket knife'.
- Common places:** A list of locations where items were found, including 'Glove compartment', 'Bed', 'Sofa', 'Laptop bag', 'TV', 'Kids bedroom', 'Magazines', 'Yesterday's pants', and 'Table'.
- Common lost things:** A list of items that have been lost, including 'Scotch tape', 'Mobile', 'Yesterday's pants', 'Wallet', 'Letter', 'Slippers', 'Pocket knife', 'Ipod', 'Bunch of keys', 'iPod cable', 'Passport', 'Watch', 'Book', and 'Ice scraper'.
- Latest tips from your friends:** A section for tips from friends, currently showing a question mark.
- Your friends at WhereDidILeaveIt:** A section for friends who use the application, also showing a question mark.

At the bottom, there is a footer with 'Page built by Where did I leave it? (import)' and a list of links: 'About', 'Find Friends', 'Advertising', 'Developers', 'Terms', 'Privacy', and 'Help'.

Einführung – Where did I leave it?

Where did I leave it?

Home

Find something!

Found it!

Search for something you've lost

Use the collective wisdom of crowds to find something you have lost. Select a thing from the dropdown list of items people have previously lost and found again.

Passport 

Start Search!

Einführung – Where did I leave it?

The screenshot shows a Facebook interface. At the top, the Facebook logo is on the left, and navigation links for 'Profile edit', 'Friends', 'Inbox (3)', 'home', 'account', 'privacy', and 'logout' are on the right. A search bar is located on the left side of the page. The main content area displays the page title 'Where did I leave it?' and three tabs: 'Home', 'Find something!', and 'Found it!'. Below the tabs, a message reads 'This is where users have previously found *Passports*' followed by the text 'Magazines Trekking rucksack' in a large blue font. At the bottom of the page, there is a link 'Page built by Where did I leave it? (report)' and a row of links: 'About', 'Find Friends', 'Advertising', 'Developers', 'Terms', 'Privacy', and 'Help'.

Einführung – Where did I leave it?

The screenshot shows the Facebook interface with a search bar at the top left. The search results for 'Where did I leave it?' are displayed in the main content area. The search bar contains the text 'Where did I leave it?'. Below the search bar, there are three tabs: 'Home', 'Find something!', and 'Found it!'. The 'Found it!' tab is selected. Underneath the tabs, the search results are categorized under 'Detailed Results'. A single result is shown: 'Claudia Langham found the Passport under Magazines'. Below the search results, there is a footer section with links: 'Page built by Where did I leave it?', 'About', 'Find Friends', 'Advertising', 'Developers', 'Terms', 'Privacy', and 'Help'. On the left side of the page, there is a sidebar with the Facebook logo, a search bar, and a list of applications: Photos, Groups, Events, Marketplace, Developer, and 'Where did I leave it?'. Below the applications list, there is an advertisement titled 'Online-Tester gesucht' with a small image and text: 'Sag uns Deine Meinung und verdiene Amazon.de Gutscheine, nimm teil an spannenden Umfragen, 100% kostenlos. Klick für weitere Infos.' and a link 'More Ads | Advertise'.

Einführung – Where did I leave it?

The screenshot shows the Facebook interface for the 'Where did I leave it?' application. The top navigation bar includes 'Profile', 'edit', 'Friends', 'Inbox (3)', and links for 'home', 'account', 'privacy', and 'logout'. The left sidebar contains a search bar and a list of applications: Photos, Groups, Events, Marketplace, Developer, and 'Where did I leave it?'. The main content area features a search bar with the text 'Where did I leave it?' and three tabs: 'Home', 'Find something!', and 'Found it!'. Below the tabs, the text reads: 'Matthew Langham is searching for: Nothing.' and 'Matthew Langham has found: Matthew Langham has found Mobile in Laptop bag' and 'Matthew Langham has found Ice scraper in Glove compartment'. The footer includes 'Page built by Where did I leave it? (report)' and links for 'About', 'Find Friends', 'Advertising', 'Developers', 'Terms', 'Privacy', and 'Help'.

facebook Profile edit Friends ▾ Inbox (3) ▾ home account privacy logout

Search

Applications edit

- Photos
- Groups
- Events
- Marketplace
- Developer
- Where did I leave it?
- more

Where did I leave it?

Home Find something! Found it!

Matthew Langham is searching for:

Nothing.

Matthew Langham has found:

Matthew Langham has found Mobile in Laptop bag

Matthew Langham has found Ice scraper in Glove compartment

Page built by Where did I leave it? (report) About Find Friends Advertising Developers Terms Privacy Help

- Server mit RubyOnRails
- Bauen der Applikation
 - Datenbank einrichten
 - Facebook hat einige Mitglieder
 - UserID sollte vom Typ BigInt sein
 - Logik aufbauen
 - Views in HTML schreiben
- Erweiterung der Views mit „Facebook Markup Language“ (FBML)



Where did I leave it???

Using the wisdom of Facebook to find what you've lost

[Add new Place where you found something](#) or [Start a new search for something you've lost](#)

Latest additions

Ipod found on Desk
Letter found on Desk
Passport found in Trekking rucksack
Watch found under Bed
Watch found under Bed

Latest searches

Ipod
Slippers
Book
Bunch of keys
Pocket knife

Common places

[Glove compartment](#) [Bed](#) [Sofa](#) [Laptop bag](#) [TV](#) [Kids bedroom](#) [Magazines](#) [Yesterday's pants](#) [Table](#) [Trekking rucksack](#) [Desk](#) [Jacket pocket](#)

Common lost things

[Scotch tape](#) [Mobile](#) [Yesterday's pants](#) [Wallet](#) [Letter](#) [Slippers](#) [Pocket knife](#) [Ipod](#) [Bunch of keys](#) [iPod cable](#) [Passport](#) [Watch](#) [Book](#) [Ice scraper](#)

Vorgehensweise - Generelles

facebook Profile edit Friends ▾ Inbox (3) ▾ home account privacy logout

Search

Applications [edit](#)

- Photos
- Groups
- Events
- Marketplace
- Developer
- Where did I leave it?

[more](#)

Washington DC real estate



Europeans take advantage of the weak dollar! Take advantage of the US economic recession.

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Where did I leave it?

Home Find something! Found it!

Latest additions

- Ipod found on Desk
- Letter found on Desk
- Passport found in Trekking rucksack
- Watch found under Bed
- Watch found under Bed

Latest searches

- Ipod
- Slippers
- Book
- Bunch of keys
- Pocket knife

Common places

- Glove compartment Bed Sofa Laptop bag TV
- Kids bedroom Magazines Yesterday's pants
- Table Trekking rucksack Desk Jacket pocket

Common lost things

- Scotch tape Mobile Yesterday's pants Wallet
- Letter Slippers Pocket knife Ipod Bunch of keys iPod cable Passport Watch Book Ice scraper

Latest tips from your friends

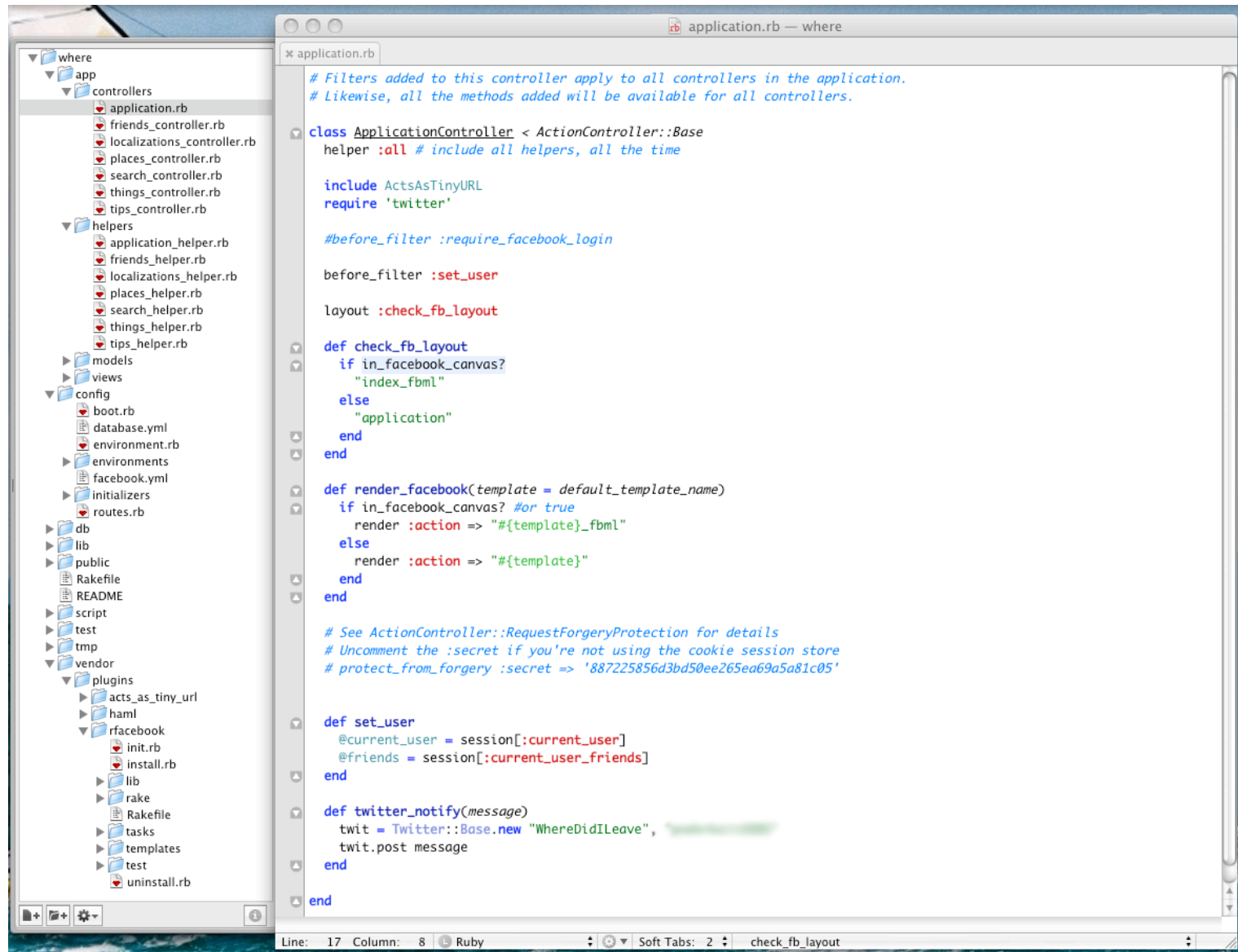
Your friends at WhereDidILeaveIt



Follow Twitter updates from [WhereDidILeaveIt](#)

Page built by Where did I leave it? (report) [About](#) [Find Friends](#) [Advertising](#) [Developers](#) [Terms](#) [Privacy](#) [Help](#)

Vorgehensweise - Controller



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows the following structure:

- where
 - app
 - controllers
 - application.rb
 - friends_controller.rb
 - localizations_controller.rb
 - places_controller.rb
 - search_controller.rb
 - things_controller.rb
 - tips_controller.rb
 - helpers
 - application_helper.rb
 - friends_helper.rb
 - localizations_helper.rb
 - places_helper.rb
 - search_helper.rb
 - things_helper.rb
 - tips_helper.rb
 - models
 - views
 - config
 - boot.rb
 - database.yml
 - environment.rb
 - environments
 - facebook.yml
 - initializers
 - routes.rb
 - db
 - lib
 - public
 - Rakefile
 - README
 - script
 - test
 - tmp
 - vendor
 - plugins
 - acts_as_tiny_url
 - haml
 - rfacebook
 - init.rb
 - install.rb
 - lib
 - rake
 - Rakefile
 - tasks
 - templates
 - test
 - uninstall.rb

The code editor shows the following code for application_controller.rb:

```
# Filters added to this controller apply to all controllers in the application.
# Likewise, all the methods added will be available for all controllers.

class ApplicationController < ActionController::Base
  helper :all # include all helpers, all the time

  include ActsAsTinyURL
  require 'twitter'

  #before_filter :require_facebook_login

  before_filter :set_user

  layout :check_fb_layout

  def check_fb_layout
    if in_facebook_canvas?
      "index_fbml"
    else
      "application"
    end
  end

  def render_facebook(template = default_template_name)
    if in_facebook_canvas? #or true
      render :action => "#{template}_fbml"
    else
      render :action => "#{template}"
    end
  end

  # See ActionController::RequestForgeryProtection for details
  # Uncomment the :secret if you're not using the cookie session store
  # protect_from_forgery :secret => '887225856d3bd50ee265ea69a5a81c05'

  def set_user
    @current_user = session[:current_user]
    @friends = session[:current_user_friends]
  end

  def twitter_notify(message)
    twit = Twitter::Base.new "WhereDidILeave",
    twit.post message
  end
end
```

Line: 17 Column: 8 Ruby Soft Tabs: 2 check_fb_layout

Vorgehensweise - Controller

```
class LocalizationsController < ApplicationController

  before_filter :require_facebook_login

  def auto_complete_for_localization_thing_name
    criteria = '%' + params[:thing_name] + '%'
    @things_found = Thing.find(:all,
                              :conditions=>["name like ?",criteria],
                              :order=>'name', :limit=>10)
    render :partial=> "things"
  end

  def index
    get_user
    get_friends

    # latest added localities
    @localizations = Localization.find(:all, :limit => 5, :order => "created_at DESC")
    # latest search words
    @searches = Search.find(:all, :limit => 5, :order => "created_at DESC", :select => "DISTINCT thing_id")

    @my_searches = Search.find(:all, :limit => 5, :conditions => ["user_id = ?", @current_user.uid],
                              :order => "created_at DESC", :select => "DISTINCT id")

    @tips = Tip.find(:all, :conditions => ["search_id IN (?)", @my_searches])
    # generate the data for the 2 tag clouds
    generate_tag_clouds_data
    render_facebook
  end
end
```

Vorgehensweise - Controller

```
private

def get_user
  @current_user = fbsession.users_getInfo(
    :uids => fbsession.session_user_id,
    :fields => ["first_name", "last_name", "pic_square", "status"] )
  session[:current_user] = @current_user
end

def get_friends
  # gets all friends that are also using wdili
  friendsInfo = fbsession.users_getInfo(:uids => fbsession.friends_get.uid_list, :fields => ["uid", "pic_square"])
  @friends = Array.new
  friendsInfo.user_list.each do |f|

    # only take the users that are using wdili
    @searches = Search.find(:all, :conditions => ["user_id = ?", f.uid])
    @localizations = Localization.find(:all, :conditions => ["user_id = ?", f.uid])
    if !(@searches.empty? and @localizations.empty?)
      h = Hash.new
      h[:uid] = f.uid
      h[:pic] = f.pic_square
      @friends << h
    end
  end

  session[:current_user_friends] = @friends
end
```

- **FBML**
 - Subset von HTML
 - Vereinheitlichung der Applikations-Layouts
 - <http://www.amazon.de/FBML-Essentials-Jesse-Stay/dp/0596519184>
(O'Reilly, August 2008)
- **Erstellen einer weiteren View**
 - Rails-View: index.html
 - Facebook-View: index_fbml.html

Vorgehensweise - Views

```
<%= stylesheet_link_tag "tagcloud" %>

<fb:dashboard>
  <fb:header decoration="add_border" icon="false">Where did I leave it?</fb:header>

</fb:dashboard>

<fb:tabs>
<fb:tab_item
href="<%= url_for(:controller => 'localizations', :action => 'index', :only_path => true) %>"
title="Home">Home</fb:tab_item>
  <fb:tab_item
href="<%= url_for(:controller => 'search', :action => "new", :only_path => true) %>"
title="Find something!">Find something!</fb:tab_item>
  <fb:tab_item
href="<%= url_for(:controller => 'localizations', :action => "new", :only_path => true) %>"
title="Found it!">Found it!</fb:tab_item>

</fb:tabs>

<%= yield %>
<br />
```

 Where did I leave it?

Home

Find something!

Found it!

Vorgehensweise - Views

```
<% @friends.each do |friend| %>
  <a href="<%= url_for(:controller => 'friends', :action => "show", :user_id => friend[:uid], :only_path => true) %>">
    <fb:profile-pic uid="<%= friend[:uid] %>" size="thumb" />
  </a>
<% end %>
```

Your friends at
WhereDidILeaveIt



Where did I leave it?

facebook Profile edit Friends ▾ Inbox (3) ▾ home account privacy logout

Search

Applications [edit](#)

- Photos
- Groups
- Events
- Marketplace
- Developer
- Where did I leave it?

▼ more

Washington DC real estate



Europeans take advantage of the weak dollar! Take advantage of the US economic recession.

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Where did I leave it?

Home Find something! Found it!

Latest additions

- Ipod found on Desk
- Letter found on Desk
- Passport found in Trekking rucksack
- Watch found under Bed
- Watch found under Bed

Latest searches

- Ipod
- Slippers
- Book
- Bunch of keys
- Pocket knife

Common places

Glove compartment Bed Sofa Laptop bag TV
Kids bedroom Magazines Yesterday's pants
Table Trekking rucksack Desk Jacket pocket

Common lost things

Scotch tape Mobile Yesterday's pants Wallet
Letter Slippers Pocket knife Ipod Bunch of
keys iPod cable Passport Watch Book Ice
scraper

Latest tips from your friends

Your friends at WhereDidILeaveIt



Follow Twitter updates from WhereDidILeaveIt

Page built by Where did I leave it? (report) About Find Friends Advertising Developers Terms Privacy Help

Danke!

- <http://apps.facebook.com/wheredidileaveit>
- http://wiki.developers.facebook.com/index.php/Using_Ruby_on_Rails_with_Facebook_Platform
- <http://www.liverail.net/articles/2007/6/29/tutorial-on-developing-a-facebook-platform-application-with-ruby-on-rails>
- tobias.reike@indiginox.com