Ruby on Rails Meets the World of Enterprise Applications

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TS-91440

GOOOOOOOOOOOAAAAAAAAALL!

Learn how and why we attached Ruby on Rails to an SAP system; Find out the pros and cons and learn where you can help

Stuff I Will Talk About

What the Heck is SAP

Who Uses It

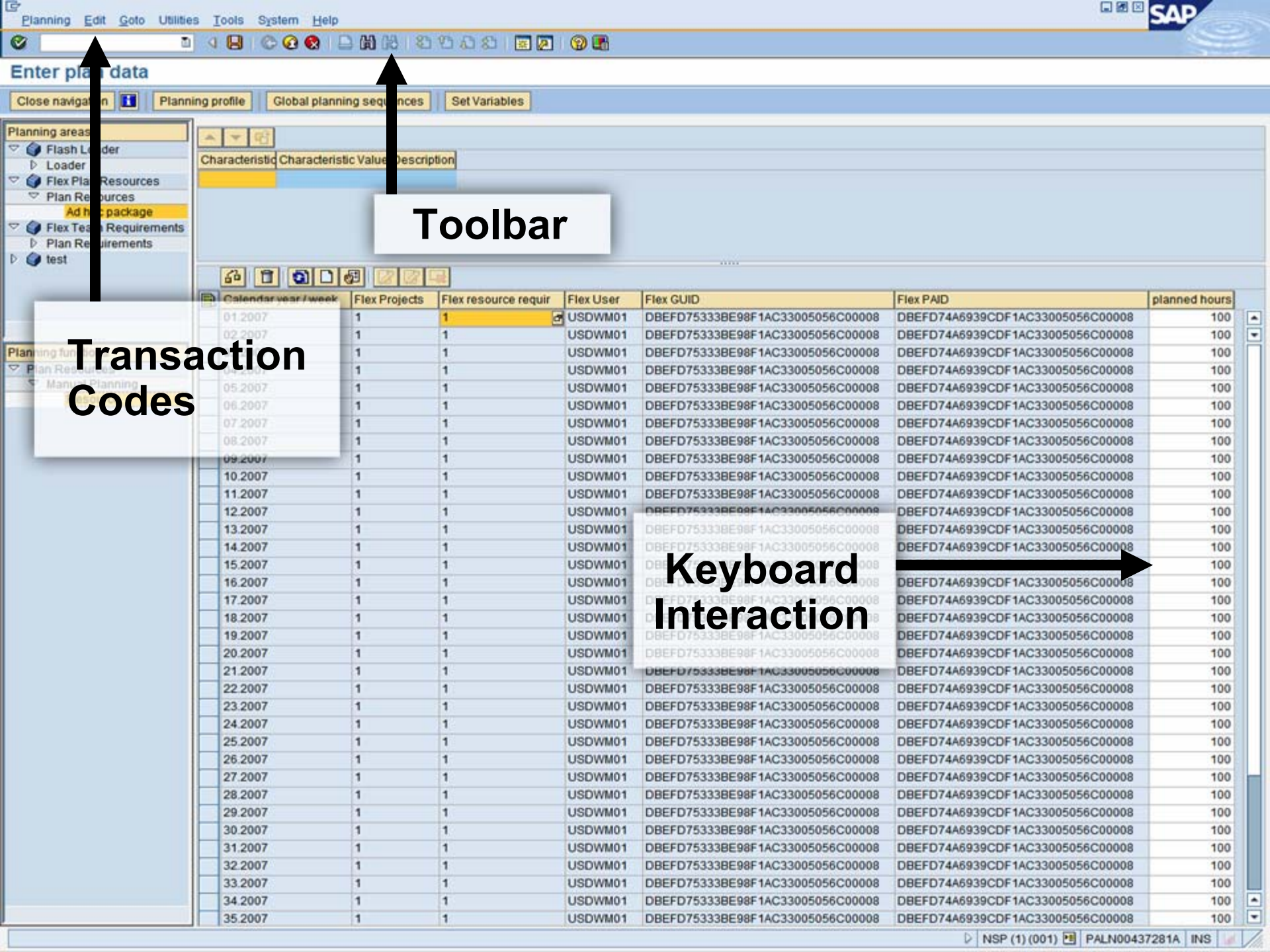
Our Problem

Why Rails

Architecture

Code and Demo

- Big
- Does lots
- A bit dreary
- Enterprise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Flex Team Requirements
Plan Requirements
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Characteristic
Characteristic Value
Description
Toolbar
Transaction Codes
Keyboard Interaction
Calendar year / week
Flex Projects
Flex resource requir
Flex User
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The Boston Beer Company
General Mills
Tyson Foods Inc
De' Longhi
H.J. Heinz Company
Nabisco
Nestlé
Starbucks Corp.
Bose Corp.
Burton Snowboards
Oakley
JBL-Professional
Mercedes Benz
Peugeot
DaimlerChrysler

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Air France
Ryanair
Lufthansa
Global Electric
Adidas
Sony
Whirlpool
Cole Haan
Adaptec
Microsoft
HP
Nvidia
Adobe
7-Eleven
J.Crew

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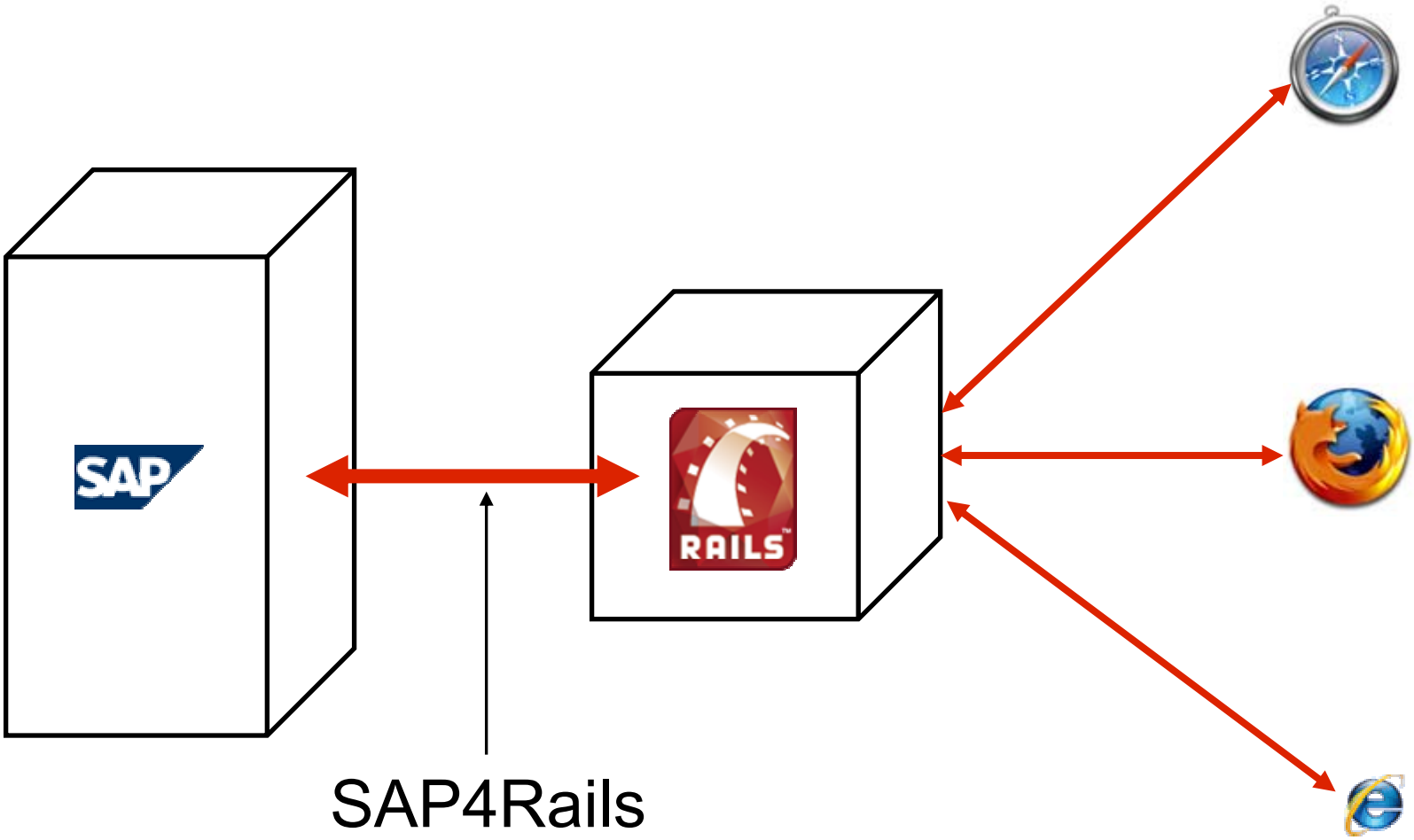
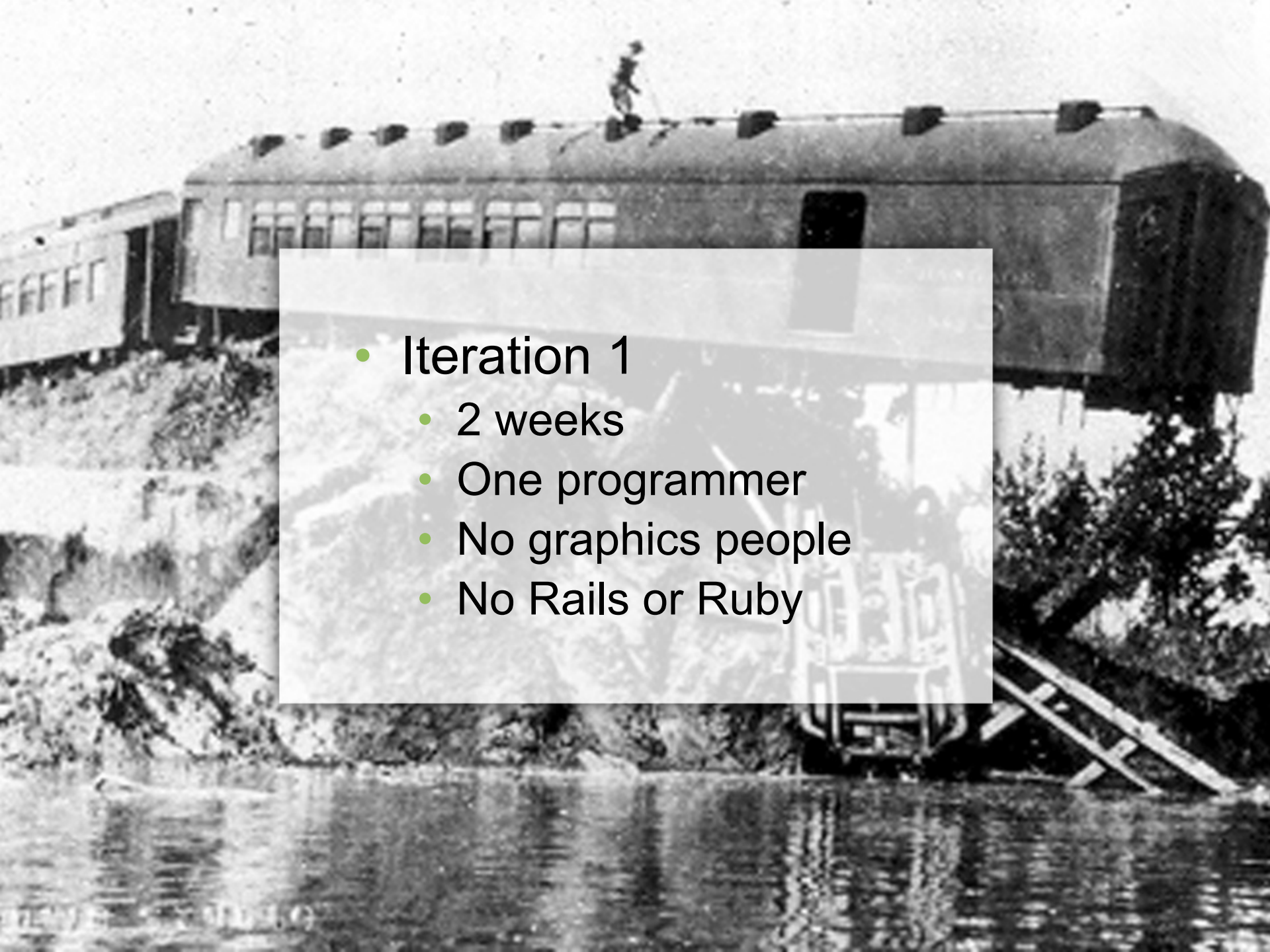
Candice Maynard
Brett Wilkins
Regina Sask Canada
Michelle J. Michal
Feb 20 1993

- People
- Projects
- Timing
- Visual

- Development Speed
- UI
- Learn
- Web 2.0!


SAP
RAILS
SAP4Rails

Java



- Iteration 1
  - 2 weeks
  - One programmer
  - No graphics people
  - No Rails or Ruby

YOUR LOGO HERE

Iteration 2

- Iteration 2
  - 2weeks
  - One programmer
  - Still no graphics
  - Some Rails/Ruby!

```
def addUser
   newResource = ProjectResource.add_resource(
                params[:id], params[:resourceType],
                params[:user].split('_')[1],
                params[:requirementID] )
   render(:update){|page|
       page.insert_html :bottom,
       "resources_#{params[:requirementID]}",
       :partial => "resource",
       :locals => { :resource => newResource }
   }
end
```

```
def self.add_resource(projectID, resourceType, userName, uuid)
   ProjectResource.Z_RP_ADD_RESOURCE.reset()
   ProjectResource.Z_RP_ADD_RESOURCE.FLEX_PROJ = projectID
   ProjectResource.Z_RP_ADD_RESOURCE.FLEX_TYPE = resourceType
   ProjectResource.Z_RP_ADD_RESOURCE.FLEX_USER = userName
   ProjectResource.Z_RP_ADD_RESOURCE.ID = uuid
   ProjectResource.Z_RP_ADD_RESOURCE.call()
   table = []
   ProjectResource.Z_RP_ADD_RESOURCE.NEWREQ.rows().each{|row|
     table.push(ProjectResource.new(row['ID'].strip,
           row['FLEX_PROJ'].strip,
           row['FLEX_TYPE'].strip,
           row['STARTWEEK'][4,2].to_i,
           row['ENDWEEK'][4,2].to_i,
           row['FLEX_USER'].strip,
           row['PARENTID'].strip))
   }
   ProjectResource.Z_RP_ADD_RESOURCE.rfc.close()
   table[0]
 end
```

```
require_gem "sap4rails"

class ProjectResource < SAP4Rails::Base

  function_module :Z_RP_GET_RESOURCE_DETAILS,
  :Z_RP_ADD_RESOURCE, :Z_RP_DELETE,
  :Z_RP_CHANGE_RESOURCE


end
```

Useful Info

- SDN SAP Developer Network (http://sdn.sap.com)
- Ruby on Rails (http://www.rubyonrails.org)
- SAP for Rails (http://raa.ruby-lang.org/project/sap4rails)

Great Photos

jasoncartwright—http://www.flickr.com/photos/jasoncartwright/138205239/

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Q&A

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