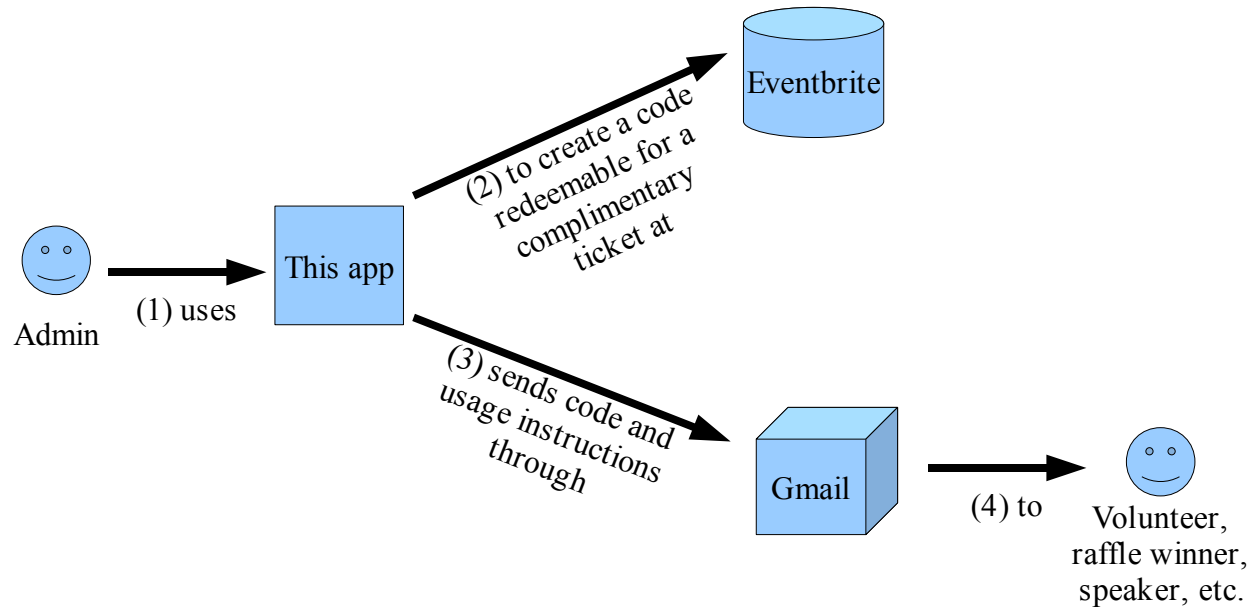


# Open Source Bridge complimentary ticket issuer application

v4 2010-04-21 by Igal Koshevoy

This document describes a software application for issuing complimentary tickets. An admin would use this app to send emails to people that contain instructions and individually-generated discount codes for redeeming complimentary ticket at Eventbrite.

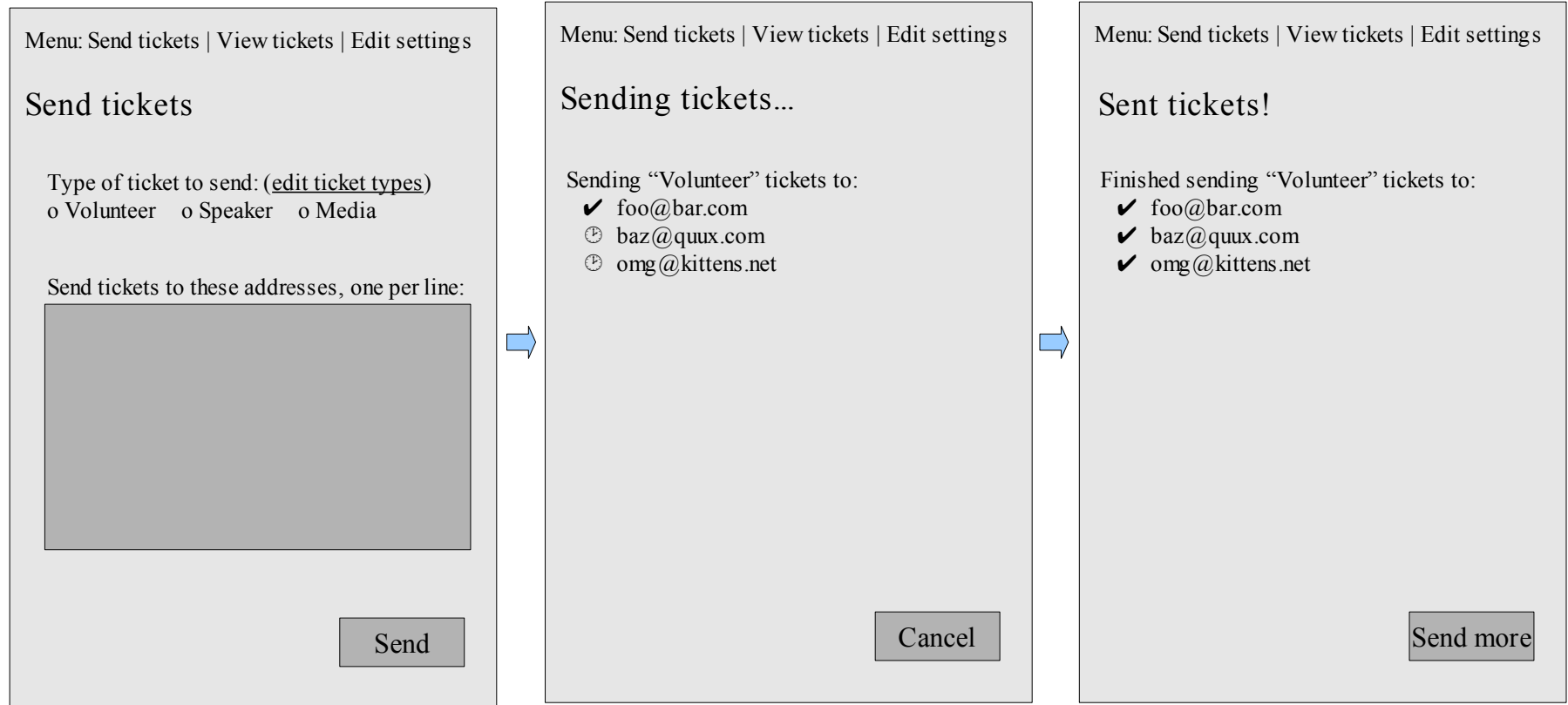
## Overview:



## **Specification:**

- An **admin at a terminal** should be able to:
  - Set the admin password (rake task?).
  - Load and dump app's settings to/from a file (e.g., passwords, API key, mail server, templates, etc). This is sensitive information and shouldn't be checked into the source code repository.
- An **anonymous website user** should be able to login.
- A **logged-in website user** should be able to:
  - **Manage authentication:** Change the password.
  - **Manage mail server settings:** Show and edit the mail server settings:
    - Fields: hostname, port, domain, username, password, etc.
    - Documentation on configuring Rails email sending: [http://guides.rubyonrails.org/action\\_mailer\\_basics.html#action-mailer-configuration-for-gmail](http://guides.rubyonrails.org/action_mailer_basics.html#action-mailer-configuration-for-gmail)
  - **Manage API settings:** Show, edit and test the Eventbrite API key.
  - **Manage ticket types:** List/add/show/edit/delete the types of complimentary tickets. Fields: title (e.g. “volunteer”, “speaker”, “media”, etc.) and the message (email text to send to those getting this kind of ticket).
  - **Manage batches of tickets:** Send tickets to a set of email addresses for a certain kind of ticket (e.g. send Selena and Christie “volunteer” tickets).
    - If an email address has already been sent this ticket, ask to confirm that it should be resent.
    - If an email address has already received a different type of ticket, ask to confirm that they should get another ticket.
    - If an application error is hit, the user should be able to easily retry sending of the emails that haven't yet been sent.
    - When submitting a set of tickets to send, the application should create a new batch, spawn a background process to do the work, and give the user a status report.
    - The application must create unique discount codes w/ the Eventbrite API based on ticket type and assign them to people.
  - **Display batches of sent tickets:** Show the batch ID and for each ticket in it, show: date/time sent, email address ticket was sent to, kind of ticket, discount code, and status (success, failure, pending).

## Possible user interface for sending



## ***Libraries that may be of use***

- Spawn – execute a Ruby block in a fork or thread, so that the lengthy task of sending emails can be run in the background while the user immediately gets a response from the controller once the task has started. <http://github.com/tra/spawn>
- Formtastic – simplifies creation of Rails forms. <http://github.com/justinfrench/formtastic>
- ActiveScaffold – autogenerates resource pages. [http://github.com/activescaffold/active\\_scaffold](http://github.com/activescaffold/active_scaffold)
- Haml – alternative templating language. <http://haml-lang.com/>
- Sass – alternative CSS language. <http://sass-lang.com/>