Lee Wei Yeong

Agenda

- Introduction
- Projects
    - Project Daylight
    - 'high street bank' project
    - CIFFCO website
    - Trac plugins
    - 'mobile content provider' project
    - ABR Gapfill verification tool
- Conclusion

define:LShift

- small hi-tech software development company
- some of the best UK developers
- creative work environment
-
- now recruiting!

Project Daylight

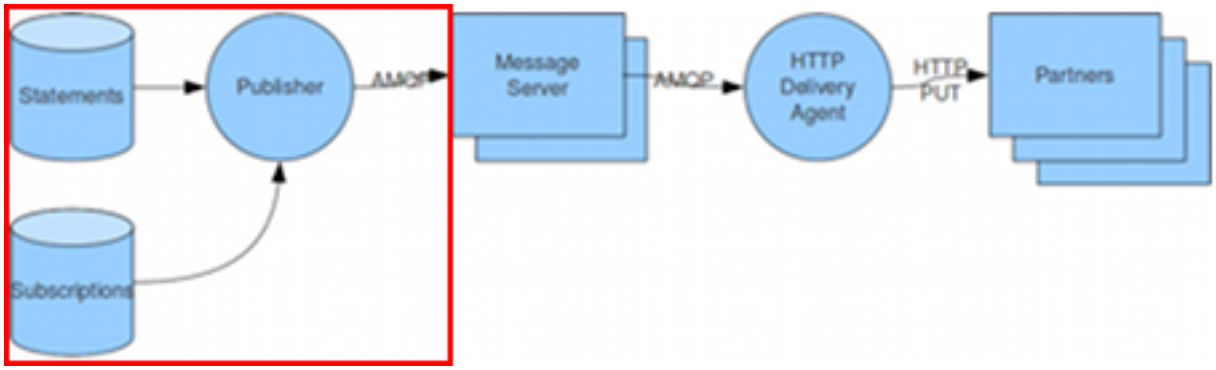
- goal: clinical and legal information system
- description: C#/ASP.net MVC web application hosted on IIS

- end of Phase 3 milestone
- assigned task
  - QA - functional unit testing via Selenium
- problem: tests not future-proof nor sufficiently robust
  - solution: initially use XPath & variables, later port Selenium to C#
- problem: user experience not ideal
  - solution: improved by fixing inconsistencies & other usability issues

'high street bank' project

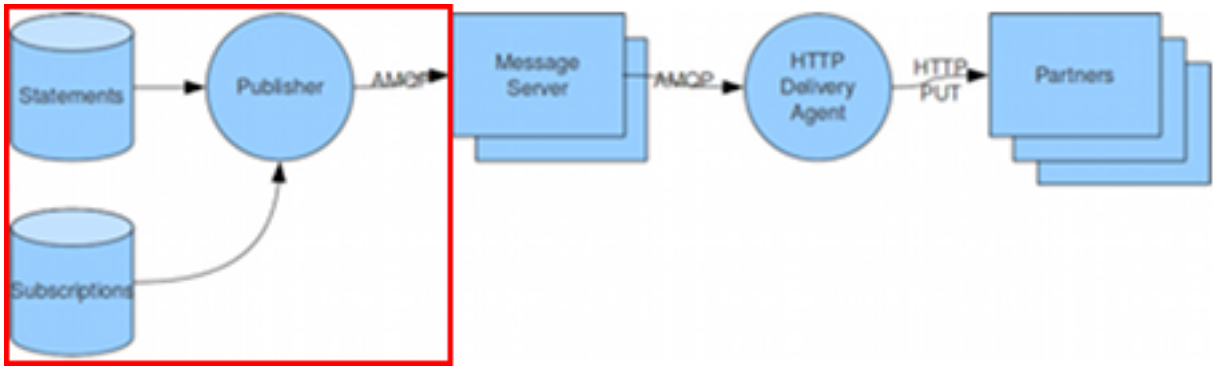
- goal
  - secure, automated mechanism
  - for transferring bank account statements
  - to accounting partners
- description
  - authorisation via web portal
  - encrypted statement transport
  - RabbitMQ messaging infrastructure
  - target deployment on RHEL

'high street bank' project > involvement



- problem: sensitive data
  - solution: Mock data (my contribution), cryptographic library, UAT
- problem: RHEL is commercial
  - solution: deploy as RPMs on CentOS VM (my contribution), UAT

'high street bank' project > involvement



- problem: expected high volume daily traffic
  - solution: RabbitMQ
- problem: web portal required for authorisation
  - solution: initially my tomcat webapp, later Magnolia CMS

- Centre International de Formation Ferroviaire de la Côte d'Opale
- goal
  - modify website design templates and smart forms
  - from Eurotunnel's live 'Corporate' site
  - using Ektron Content Management System (CMS)

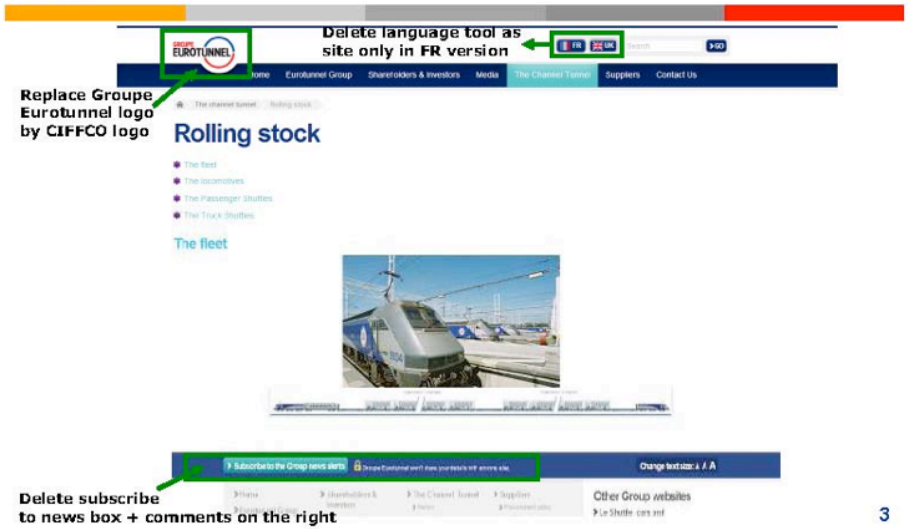
Questions?

Before

Design work on home page
From Groupe Eurotunnel website

2

Design work on page templates
From Groupe Eurotunnel website



3

After

CIFFCO Centre International de Formation Ferroviaire de la Côte d'Opale

Rechercher OK

Accueil | Groupe Eurotunnel | Actionnaires / Investisseurs | Média | Le Tunnel | Fournisseurs | Contact

Groupe Eurotunnel, une nouvelle dimension du transport ferroviaire en Europe

Le tunnel sous la Manche : un lien vital

› Lire la suite

Communiqués de presse

4 juillet 2011

Eurolines UK et Eurotunnel Le Shuttle s'associent [...] pour les Jeux Olympiques de Londres de 2010

20 juin 2011

Nouvelle étape de l'indemnisation d'Eurotunnel par ses assureurs

› Lire tous les communiqués

En savoir plus

› Rapport d'activité 2010 de Groupe Eurotunnel *(version interactive)*

› Lettre aux actionnaires : la Voie de l'Avenir - juillet 2011

› Rapport Environnement 2009

A la une

› Eurotunnel, signataire du Manifeste de l'entreprise responsable

› Eurotunnel récompensé par un 6ème Green Flag consécutif, reconnaissance de ses efforts pour la préservation de l'environnement

La vidéo en ligne

› Pour rendre le tunnel le plus sûr du monde plus sûr encore, Eurotunnel installe quatre stations SAFE

Personnaliser la taille du texte : A A A

› Accueil

› Groupe Eurotunnel
- Notre activité
- Gouvernement d'entreprise
- L'exploitation
- Développement durable

› Actionnaires et Investisseurs
- Cours des titres
- Chiffres clés
- Publications
- Guide de l'actionnaire
- Assemblées générales
- Informations réglementées
- Calendrier financier
- Archives GET SA
- Archives TNU

› Média
- Communiqués de presse 2011
- Archives des communiqués de presse
- Contacts Media
- Médiathèque

› Le Tunnel sous la Manche
- L'histoire
- Les infrastructures
- Rénovation de l'intervalle 6
- Matériel roulant
- Maintenance
- Glossaire

› Fournisseurs
- La politique Achats
- Les achats
- Devenir fournisseur
- Marchés et opportunités

› Contactez-nous

› Mentions légales

Autres sites du Groupe

› Le Shuttle (voitures et autocars)

› Navettes Camions

› Europorte (fret ferroviaire)

› GB Railfreight

› London Carex

› Samphire Hoe

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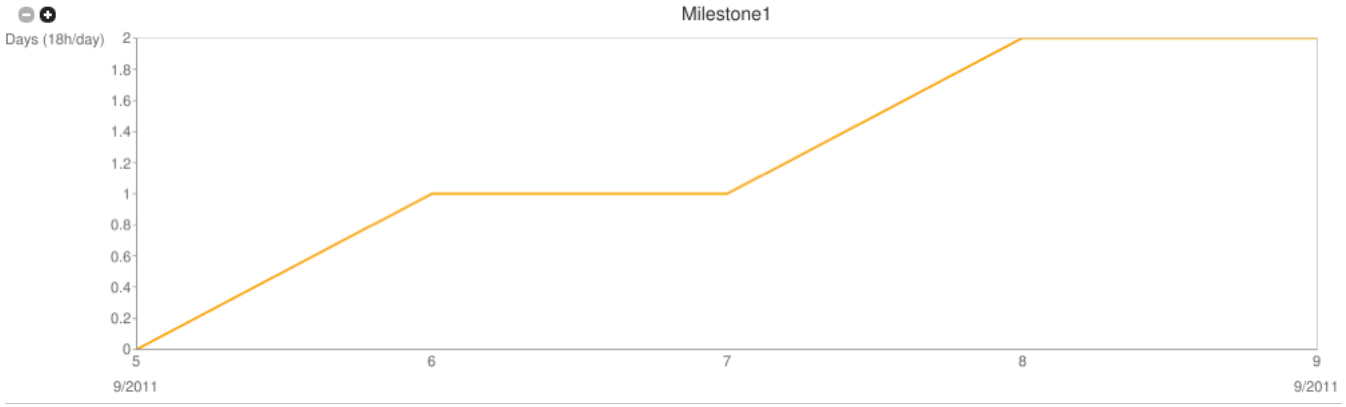
Trac plugins

trac
Integrated SCM & Project Management

- goal: 2 plugins
  - Burndown Chart



  - Email Digest

Thursday, 22 September 2011 16:20:20 British Summer Time

Subject: [LATER] Trac daily digest [22/09/2011]
Date: Thursday, 22 September 2011 16:18:12 British Summer Time
From: Trac
To: LShiftee

trac
Integrated SCM & Project Management

#2: new ticket
sample description

Changes (by user):
- Created ticket #2
- Added comment: 'user comment'

Changes (by lshift):
- Added comment: 'comment by lshift'

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update notification preferences

- define:Burndown Chart
  - chart to visualise progress in a milestone
- assigned task
  - enhance existing BurndownChart component
- objectives
  - allow historical recording of time spent
  - allow input / reporting in hours / days for client reporting purposes

- current state
  - one email per change in Trac tickets
- assigned task
  - multiple changes per email
  - important ones sent individually
  - user can configure own settings

'mobile content provider' project

- joint collaboration between
  - mobile content provider
  - third party agency
- goal
  - Japanese language detection
  - keyword extraction
- assigned task
  - scrape & process data from:
    - Wikipedia
    - Twitter
    - RSS news feeds

ABR Gapfill verification tool

- goal: certification for Financial Service Advisors
- description: C#/ASP.net MVC web application hosted on IIS
- assigned task
    - console C# tool
    - email notification of application outcome & next steps

Conclusion

lessons learnt

- Test driven development
- Debug logging
- Proper documentation
- Code simplicity & correctness

experience gained

- Distributed VCS
- Managing project risks
- Client relationship
- Confidentiality