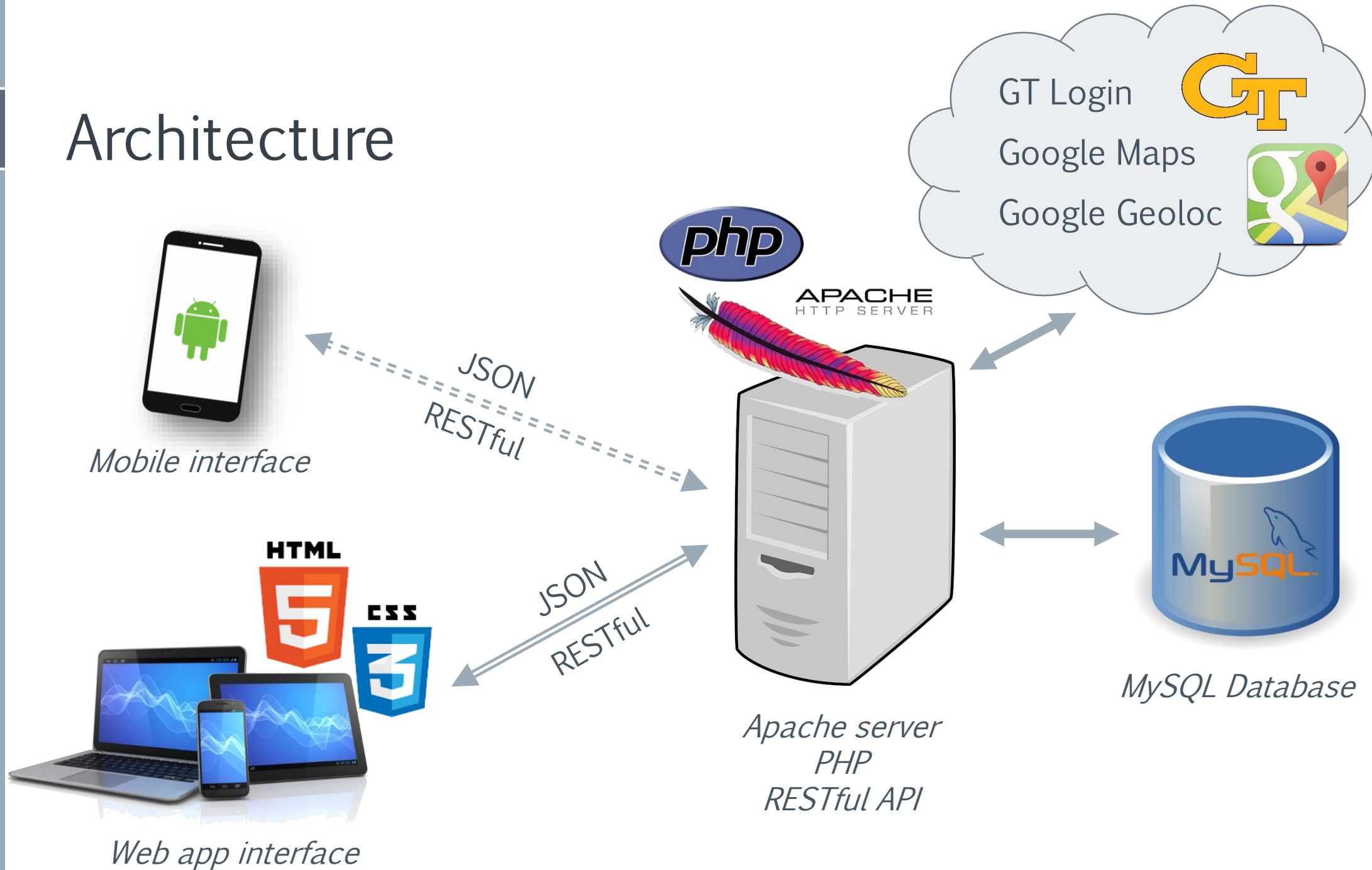# Technopole-2000
Presents JACKELO

Benjamin Joffe
Charles Munson
David Gaspard
Ernesto Mogena

Overview

› Problem being solved / description
  – GTL-specific event sharing application
  – GTL Informational Wiki
  – Requires student authentication

› Use Cases
  – Organizing trips around Europe
  – Planning local gatherings (or during trips)
  – Study groups
  – Sporting events (e.g., ultimate Frisbee)
  – Travel/Dinning tips

Architecture

GT Login

Google Maps

Google Geoloc

Mobile interface

JSON
RESTful

JSON
RESTful

Web app interface

Apache server
PHP
RESTful API

MySQL Database

Implementation Status

› Server and database fully set up and finished (HTTPS, all tables populated)
  – Maintenance: auto-prune old sessions and events
  – Increased security: Both GT Login and site-wide
› API completed. Added minor changes
› Web app interface completed with added features:
  – New login page + "demo" login
  – Users broken out into Networks: GT, Demo, Business (guest)
  – Prepared for expansion to more schools/organizations
  – Premium events
› Android app interface (WIP):
  – Home/list view implemented with dynamic loading of events
  – Event view implemented

	GET (retrieve)	PUT (replace/edit)	POST (new)	DELETE (remove)
/api/event	Get all events with default sorting (date)		Create new event	
/api/event/{category:id}	Get all events for given category ID			
/api/event/{country:id}	Get all events for given country ID			
/api/event/{type:id} Type: none/events, local, GTL, trip, info	Get all (info) events, defaults to all non-info events			
/api/event/{start:#}	Specify offset for results			
/api/event/{limit:#}	Specify number of results to get			
/api/event/group	Get all events grouped by country (for map view)			
/api/event/count	Get the number of info and non-info events (total)			
/api/event/eventID	Get event data with given ID	Update event data with given ID		Delete event with given ID
/api/event/eventID/simple	Get event data with given ID (simple info)			
/api/event/eventID/attendants	Get list of all attendants to event		Join event for current user	Unjoin from event (current user)
/api/event/eventID/comments	Get all comments for event		Create new comment	
/api/event/eventID/comments/commentID	Get comment data for given comment ID			Delete comment with given ID
/api/country	Get list all countries			
/api/country/countryID	Get info for country ID			
/api/country/countryID/city	Get list of cities for country ID		Create new city in country ID	
/api/country/countryID/city/filter/string	Get cities matching string supplied (for given country ID)			
/api/country/countryID/city/cityID	Get info for city ID			
/api/user	Get all info for current user			
/api/user/userID	Get public info for user ID			
/api/category	Get all categories		Create new category	
/api/category/filter/string	Get categories matching string supplied			
/api/category/categoryID	Get category with category ID			
/api/type/	Get all event types			
/api/type/eventTypeID	Get event type for this eventTypeID			

ex.) /api/event/category/3/country/82/type/3/start/10/limit/5/

Business Model : Target Customers

› GTL Students (niche)
- Expand out to all GT students in future
- Possibility for expansion to all schools and organizations
- Find members via Facebook, school emails, staff presentations, or recommendations / word of mouth
- Free access to view and create events
- Privacy and security: GT-only access to events, all events purged after they expire

› Businesses (diverse)
- Businesses can gain access to add their events
- Find businesses via Facebook, recommendations or advertising
- Low cost access to add business events to service
- Security: latest technology used to secure information and access

Business Model : Partners and Resources

› Partners
  – Service relies on school / organization login system
    › e.g., GT Login
  – Google APIs (Geolocation and Maps)
  – Local businesses (for adding events or advertisements)
  – General members (for adding events and trips to service)

› Resources
  – Must gain access to events or trips happening
  – Must attract members and businesses

Business Model : Costs and Revenue

› Costs
 – Fixed: hosting fees and developer salaries
 – Variable: advertising fees to attract members and businesses

› Revenue
 – Subscription for businesses to access service
 – Usage fees for premium services for members
   › Priority events, searching, attaching documents/images to events and comments
 – Advertisement fees for businesses (non-event ads)
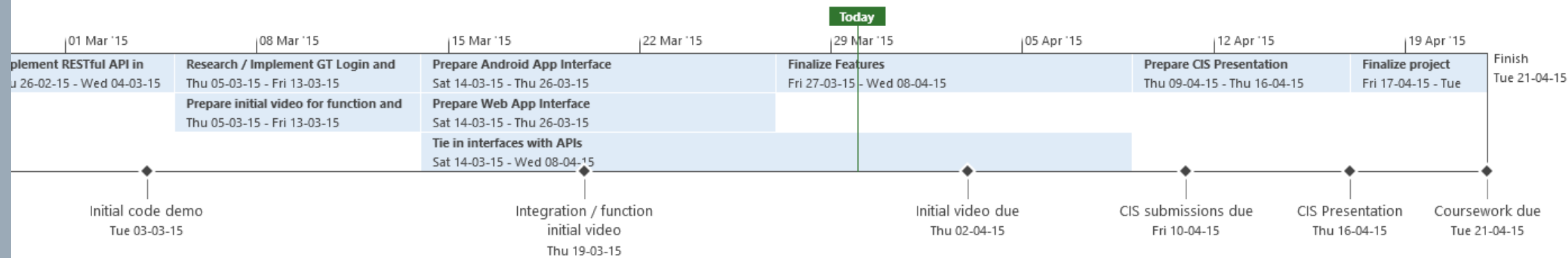 – Possibility to sell service to GT / GTL for official usage

Team Task Breakdown

› Back-end (server, database, API, webapp)
  – Charles Munson

› Front-end (API, webapp, video)
  – Ernesto Mogena

› Mobile App
  – David Gaspard
  – Benjamin Joffe

Gantt Chart

Live Demo

› Progress showcase