

BandTec College
English 5 & Workplace Management Class 5

SimpleMaps

How the project began

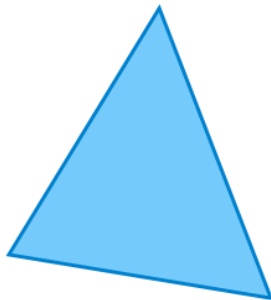


Leo Burd

Researcher from MIT Center
for Civic Media

Project's objective

- Collaborative system accessed through the internet
 - Interact with maps by inserting multimedia objects:



Target audience

- Community members



- Show their emotions and perspectives from places they usually go to
- System is available to the entire community

1º semester, 2012

SimpleMaps Team



Fabricio Barth

Professor of the subject
"Workplace Management Class 4"



Danielle



Igor



Kelvin



Neudecir



Sidmar

Students from the 4th semester of Systems Development and Analysis

SimpleMaps Team

- Supervisor's names:



Vinicius Silva
Professor of the subject
"English 4"



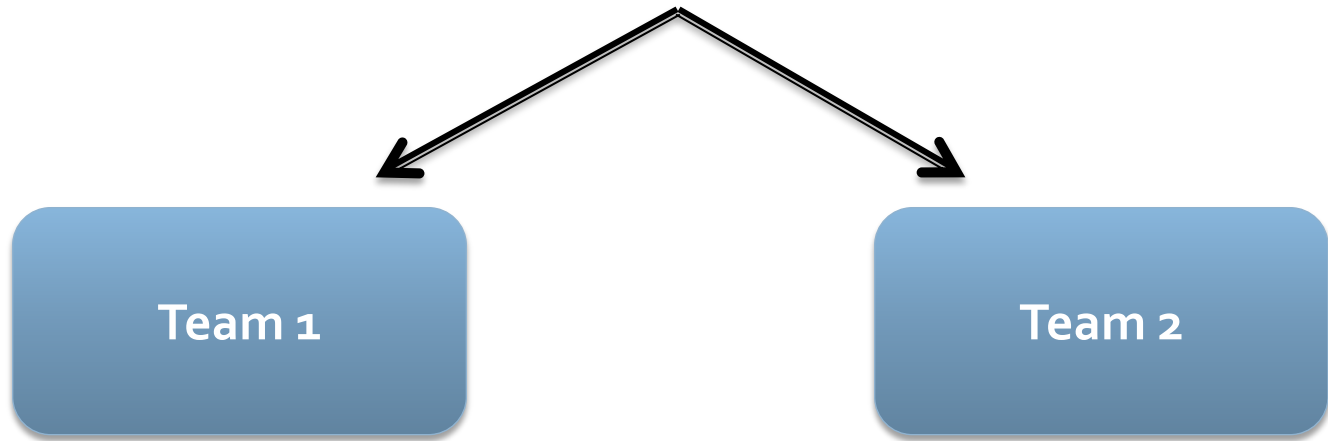
Carlos Rafael
Professor of the subject
"Web Programming"

Features & Functions description

- Search for an address on the map
- Mark a point on the map
- Mark an area on the map (circle, triangle and rectangle)
- Insert a picture on the map (link and upload an image)
- Insert an audio file on the map
- Insert a video on the map
- Edit / Delete an object
- Create / Edit a map
- Change a map

Project development

SimpleMaps team

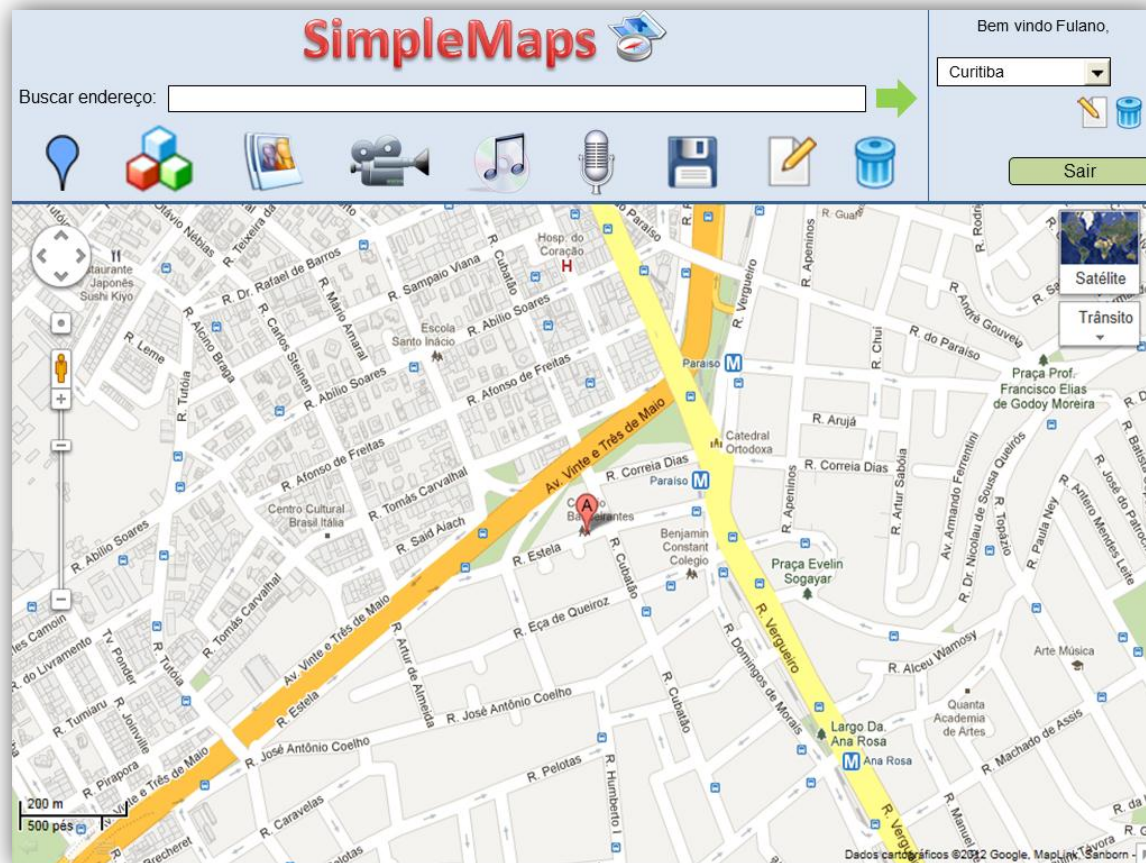


- API Leaflet (HTML 5 and CSS3) self-study

- Researching similar applications
- Mockups development

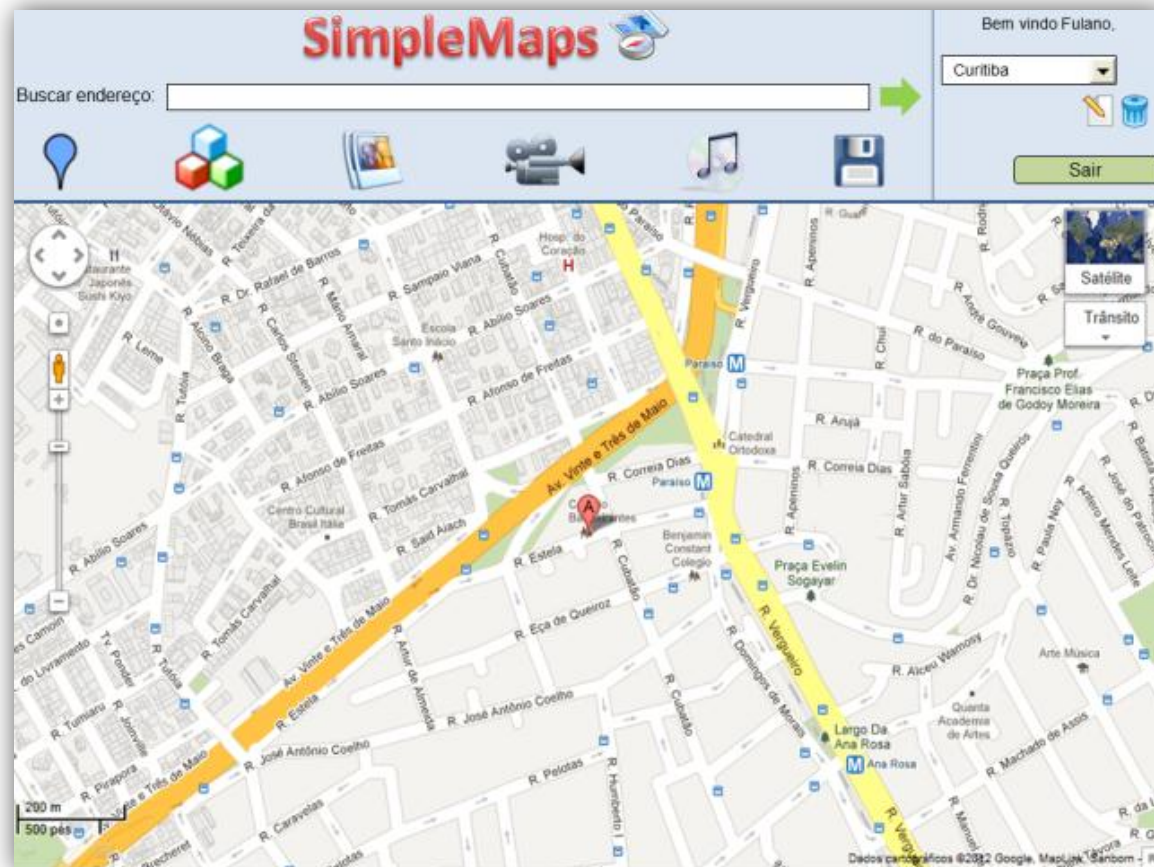
Interface development

- Mockup (first version):



Interface development

- Mockup (second version):



Features & Functions Implemented

- Search for an address on the map
- Mark a point on the map
- Mark an area on the map (triangle and rectangle)
- Insert / Delete a picture on the map (link an image)
- Insert a video on the map
- Create a new map
- Change a map

Project demonstration

Features & Functions Roadmap

- *Functional requirements:*
 - Insert a picture on the map (upload an image)
 - Insert an audio file on the map
 - Edit a map
 - Edit / Delete an object
- *Non-functional requirements:*
 - Porting the application to Android OS
 - Porting the application to Facebook

Used Technologies

- *Integrated Development Environment (IDE):*



- *Programming Language:*



- *API:*



Used Technologies

- *Relational Database Management System:*



- *Development Methodology:*



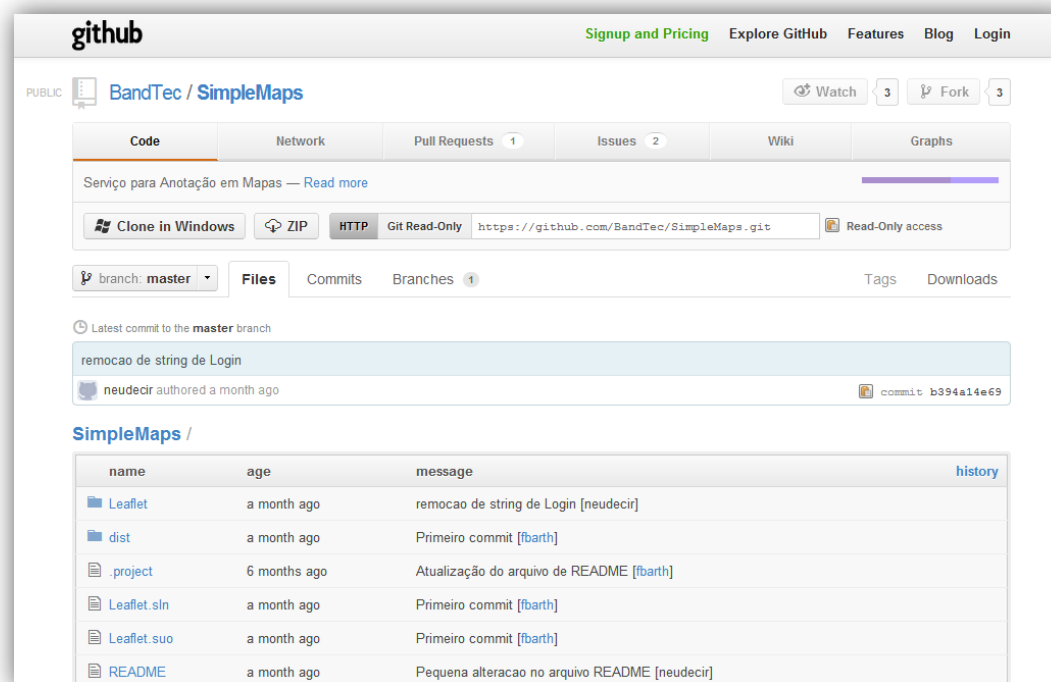
Used Technologies

- *Trello:*
 - Collaboration tool that helps organize the project



Used Technologies

- *GitHub:*
 - Web-based hosting service for software development projects that uses the Git revision control system



2º semester, 2012

SimpleMaps Team



Fabricio Barth

Professor of the subject
"Workplace Management Class 5"



Danielle



Igor



Kelvin



Neudecir



Sidmar

Students from the 5th semester of Systems Development and Analysis



Andre, Bruno, Marcelo e Susana
Students from the 4th semester
of Database

SimpleMaps Team

- Supervisor's names:



Carmem Foltran
Professor of the subject
"English 5"



Carlos Rafael
Professor of the subject
"Web Programming"

Project development

- Local server

LOCAWEB

X



- DBMS change

MySQL

X

ORACLE

Project development

- Business plan definition
 - Activities definition
 - Schedule
 - Deliverables

Atividades		Semanas																			Duração	
		02/ago	09/ago	16/ago	23/ago	30/ago	06/set	13/set	20/set	27/set	04/out	11/out	18/out	25/out	01/nov	08/nov	15/nov	22/nov	29/nov	06/dez		13/dez
1	Pesquisar sobre busca georreferenciada	D	D	D	D																	4 semanas
2	Implementar busca georreferenciada	D	D	D	D																	5 semanas
		K	K	K	K																	5 semanas
3	Analisar a melhor forma de armazenar as imagens: no banco de dados ou numa pasta do servidor	BD	BD	BD	BD																	4 semanas
4	Implementar busca de arquivo de imagem no desktop e inserir no mapa.	K	K	K	K																	7 semanas
		I	I	I	I																	7 semanas
5	Implementar busca de arquivo de áudio no desktop e inserir no mapa	I	I	I	I																	16 semanas
6	Pesquisar sobre compartilhamento de vídeos do Youtube	D	D	D	D																	7 semanas
7	Implementar compartilhamento de vídeo.	D	D	D	D																	9 semanas
		D	D	D	D																	9 semanas

Project development

- Bugs/issues control
 - 28 bugs identified (21 in the first semester)
 - 20 bugs fixed (5 in the first semester)

Cenário	Resposta esperada	Status	Sugestão para correção	Desenvolvedor
Usuário clica em "Inserir marcador" e um ponto aleatório no mapa, desiste de inserir um ponto no mapa e clica em "Cancelar"	Janela de diálogo é fechada e nenhum ponto é inserido no mapa	Ok - O botão "Cancelar" foi incluído e a funcionalidade implementada	NA	Kelvin
Usuário clica em "Inserir marcador" e um ponto aleatório no mapa, insere um comentário e clica em "Salvar"	Uma mensagem informando que o ponto foi inserido com sucesso é exibida e o ponto é inserido no mapa com o comentário	Ok - A mensagem que informava o id do mapa foi removida, a única mensagem exibida é a de confirmação da inserção do ponto no mapa	NA	Igor
Usuário clica sobre um ponto salvo no mapa com comentário	Janela exibe o comentário associado ao ponto, "x" para fechar a janela, "Editar" para editar o comentário e "Excluir" para remover o ponto do mapa	Pendente, se o usuário clica em um ponto salvo no mapa são exibidos apenas o comentário e o "x" que permite fechar a janela	Implementar as opções "Editar" para editar o comentário e "Excluir" para remover o ponto do mapa	
Usuário clica em "Inserir marcador" e um ponto aleatório no mapa	Janela exibe campo para comentário, "Salvar" para inserir o ponto no mapa, "Cancelar" para cancelar a operação e não inserir nenhum ponto no mapa	Ok - Foi removida a mensagem padrão no campo de comentário "insira seu texto aqui"	NA	Igor

Project validation

- Volunteers: students, teachers and coordinators
 - 9 volunteers
- Documents:
 - Script validation
 - Evaluation form

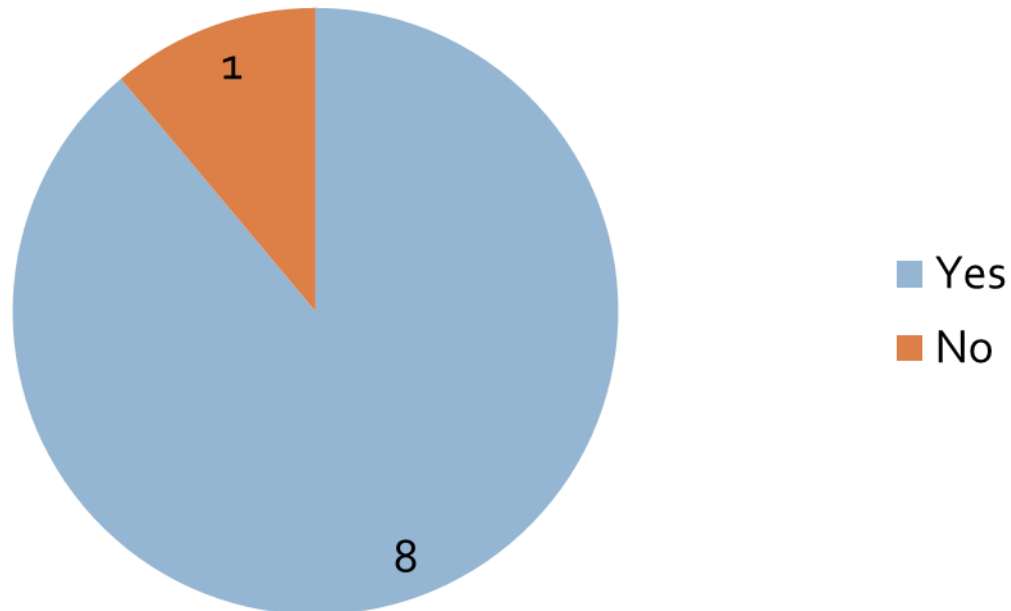
Project validation

- Validation feedbacks:
 - Increase the link "I am not registered"
 - Confirm whether the registration was successful or not
 - Give tips about how to do something (mark a point and an area on the map)
 - Change the background color (make it transparent)
 - Indicate the places that have already been clicked on during the action "mark an area on the map"
 - Allow resizing the geometric shapes

Project validation

- Validation result:

Would you use this application?



Lessons learned

- Negative aspects
 - Staff availability
 - Architecture design
 - DBMS change
 - Problems accessing server
 - Operating system dependency
 - Team engagement

Lessons learned

- Positive aspects
 - Technical skills acquired (Architecture concepts)
 - Interact with experienced professionals
 - Migration experience
 - Validation steps
 - Communication skills

