Simulating the world of travel for children using Google Earth.

viaTime

The real voyage of discovery consists not in seeking new landscapes but in having new eyes.
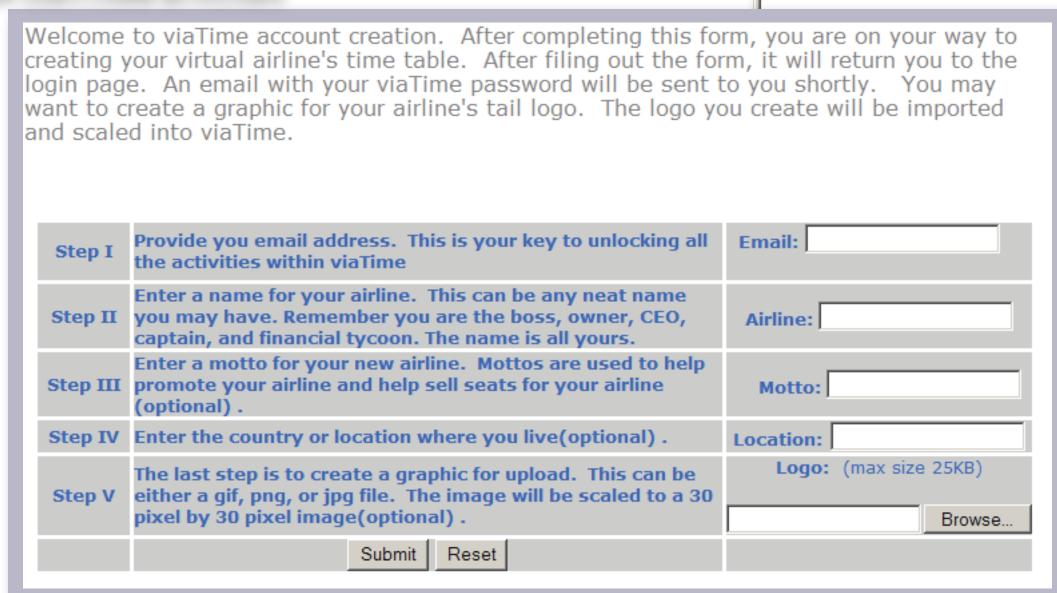
- Marcel Proust, French Novelist

www.viaTime.org

Purpose

viaTime was developed in order to teach students not only about distance, time, and geographical locations, but how Geographic Information Systems (GIS) can be tailored to meet a child's creativity and imagination.
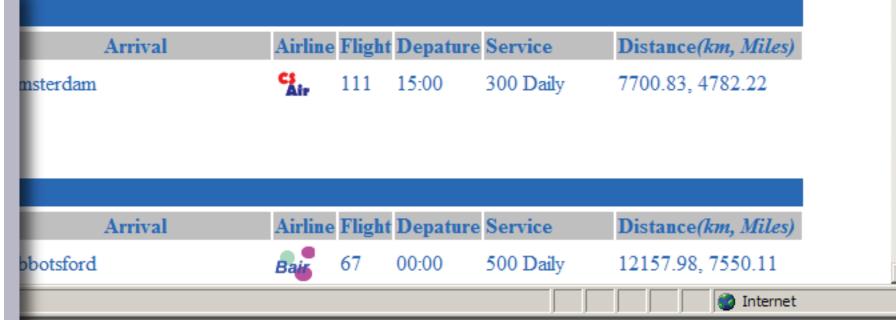
Google Earth (GE) provides a conduit for collaborative, imagination, research, and creativity. The open platform that GE provides, allows developers to reach geography students by offering new and exciting ways of presenting data. Geographic data can be tailored in various formats geared towards any specific industry. The application viaTime offers a unique perspective into the transportation industry by allowing students to create their own airline while opening doors into the world of geography and transportation.

Welcome Page

Email:

Password: [via]

New User

Status: Available

Welcome to viaTime, the virtual transportation simulator developed by Matt Paskus. The initial phase of the application allows children of all ages to create a virtual airline and observe their progress in real time utilizing Google Earth.

New Users Create an Account

Welcome to viaTime account creation. After completing this form, you are on your way to creating your virtual airline's time table. After filing out the form, it will return you to the login page. An email with your viaTime password will be sent to you shortly. You may want to create a graphic for your airline's tail logo. The logo you create will be imported and scaled into viaTime.

Step I	Provide you email address. This is your key to unlocking all the activities within viaTime	Email:
Step II	Enter a name for your airline. This can be any neat name you may have. Remember you are the boss, owner, CEO, captain, and financial tycoon. The name is all yours.	Airline:
Step III	Enter a motto for your new airline. Mottos are used to help promote your airline and help sell seats for your airline (optional) .	Motto:
Step IV	Enter the country or location where you live(optional) .	Location:
Step V	The last step is to create a graphic for upload. This can be either a gif, png, or jpg file. The image will be scaled to a 30 pixel by 30 pixel image(optional) .	Logo: (max size 25KB)

Submit   Reset

Creating Timetable

CS Air Profile

Email: csair
Airline: CS Air
Motto: Taking you there bit by bit.
Location: Communication Facility, WWU Bellingham, WA USA

Go Home

Current myTimetables globalTimetables allRoutes allAirlines addtidbits allTidbits 5/28/2006 6:40 P.M.

Creation

Departure City: Bacau (LRBC)
Destination City: Abadeh (OISA)

Map viewer option: ○ openSTmap ○ multimap ● Earth ○ None

Departure Day: Daily   Departure Time: 00 : 00   Service: 100mph   Add this timetable

Depart	Airline	Flight	Depature	Destination	Service	Distance(km, Miles)	myRoutes myAircraft myTidbits
00:00	CJ Air	105	Aaehus	Abbeville	500 Daily	900.94, 559.48	
07:00	CJ Air	108	Seattle-Tacoma Intl WA	Aalborg	35 Daily	7588.24, 4712.30	
11:00	CJ Air	91	Zurich	Saginaw Tri City Intl MI	500 Daily	6788.93, 4215.93	
11:45	CJ Air	94	Bellingham Intl WA	Belle Fourche SD	500 Daily	1489.57, 925.02	
13:00	CJ Air	110	Seattle-Tacoma Intl WA	Frankfurt	500 Daily	8206.44, 5096.20	
14:00	CJ Air	106	Bellingham Intl WA	Lisbon	500 Daily	8293.74, 5150.41	

Overall Global Timetable

viaTime-Current Airlines - Microsoft Internet Explorer

Address: http://www.viatime.org/AR.php

Aaehus-Seattle-Tacoma Intl WA

Departure	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
Aaehus	Seattle-Tacoma Intl WA	Bai	48	15:00	500 Daily	7687.97, 4774.23

Aaehus-Seychelles Intl

Departure	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
Aaehus	Seychelles Intl	Bai	42	15:45	500 Daily	7914.84, 4915.11

Aaehus-Zurich

Departure	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
Aaehus	Zurich	Bai	80	12:00	500 Daily	994.36, 617.50
Aaehus	Zurich	Bai	71	23:45	500 Daily	994.36, 617.50

Abbeville France

Abbeville-Accra

Departure	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
Abbeville	Accra	CJ Air	140	14:00	300 Daily	4961.24, 3080.93

Abbotsford Canada

	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
	Amsterdam	CJ Air	111	15:00	300 Daily	7700.83, 4782.22

	Arrival	Airline	Flight	Depature	Service	Distance(km, Miles)
	Abbotsford	Bai	67	00:00	500 Daily	12157.98, 7550.11

Creating tidBits allows users to place pictures and icons within Google Earth.

Tidbit Creation

Long: Lat: (Decimal Degrees)

Special Name: (optional) Adobe

Add a Photo to this special place by uploading a picture for this location. This can be either a gif, png, or jpg file. The image scaleed to a 200 pixel by 400 pixel image.

Photo: (max size 250K B)
Browse...

Description:

Add this place

Mt. Rushmore

tidBitd Allows children to create thematic maps.

Methods

viaTime is an interactive web based application which can be used on multiple platforms.

The three client dependencies for the viaTime network is an internet connection, web browser, and Google Earth. The client side internet connectivity can utilize both wireless and Ethernet. The interaction between GE servers and viaTime makes use of the Keyhole Markup Language (KML). The end user's data is stored within a MySQL database and in various tables. The tables store airport location and user information. The clients interact with both the MySQL database (PHP Scripting) and the Ajax connection.

The Great Cirlce Route is utilized by Google Earth to plot lines between two locations. This same formula was used to predict the percentage of flight for each aircraft based off departure time.

The Ticket Jacket Museum offers a unique introduction into historical airline routes.

Matt's World Famous Ticket Jacket Museum

Address: http://www.viatime.org/TJMMain.php

PanAm 004
PanAm
PhillipineAirLines
PhillipinesAirlines
Piedmont
PilgrimAirlines
PolynesianAirlines
PrecisionAirlines
PresidentialAirways
Qantas 001
Qantas 002
Qantas 003
Qantas 004
Qantas 005
Qantas
RAA
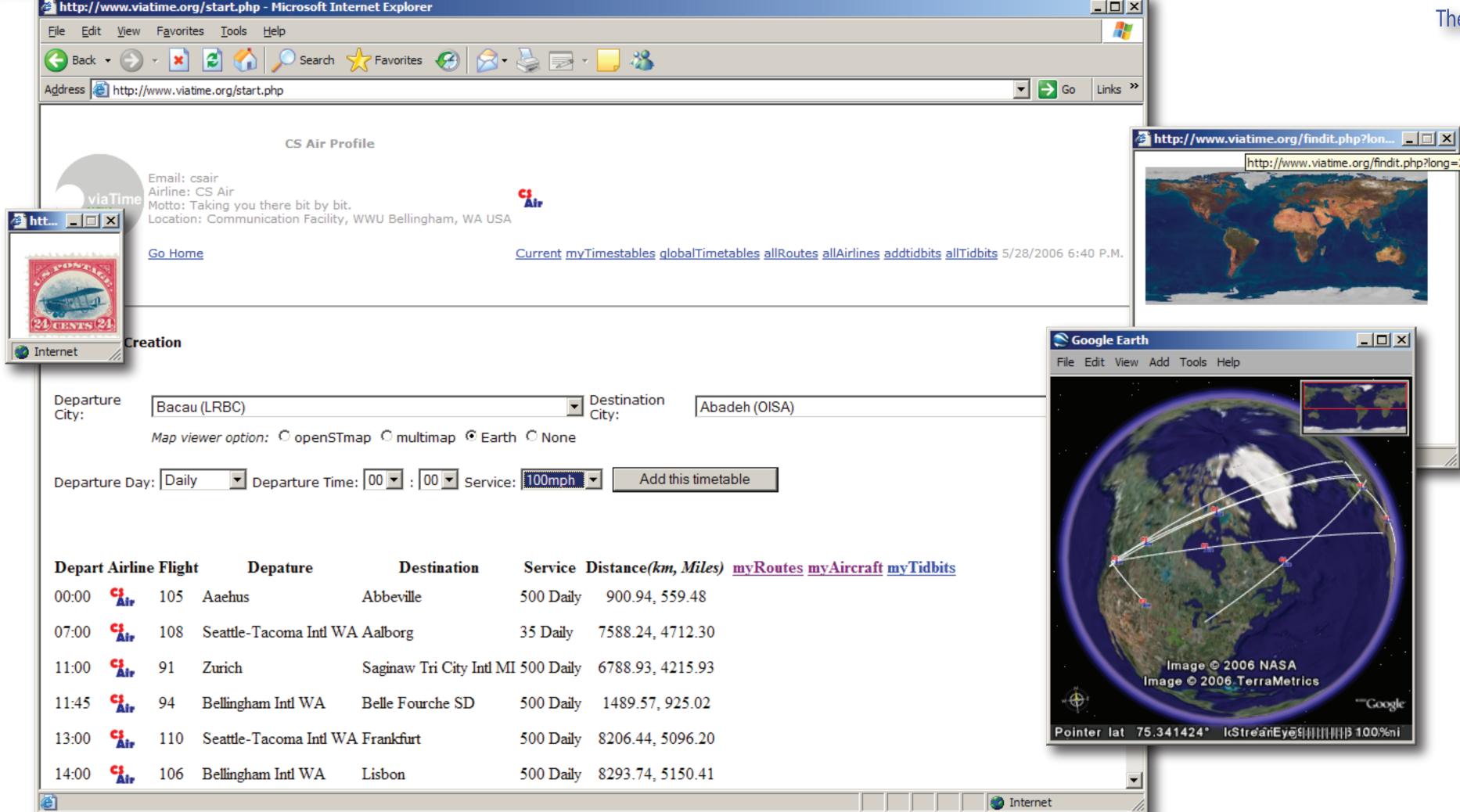RAM 001
RAM
RansomeAirlines
Republic 001
Republic
SAA 001
SAA
SAS 001
SAS 002
SAS
Sabena
SanJuanAirlines
SimmonsAirlines

SWIFT AIRE
We've Got The Ticket For You.

(Larger View)

SwiftAire

Google Earth Route Map Found: SwiftAire.kml

URL Found: http://www.airdisaster.com/reports/ntsb/AAR79-13.pdf

Conclusion

viaTime serves as a geographical blog site where users can identify locations and share their experiences. The value is in the data collected from users about their location.

viaTime is a conduit serving as a travelogue and/or geographical dictionary, highlighting various features and locations on the earth's surface.

Author: Matt Paskus
Title: The viaTime Project
EGEO452 6/2006
Source: IATA www.iata.org

Transportation will never be the same...