

Project Nightcrawler

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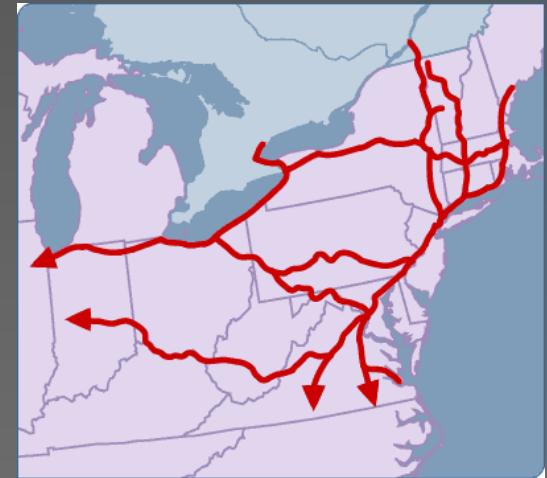


Faster, Cheaper, Smarter Travel

Problem

- No comprehensive comparison between all modes of transportation

Purpose

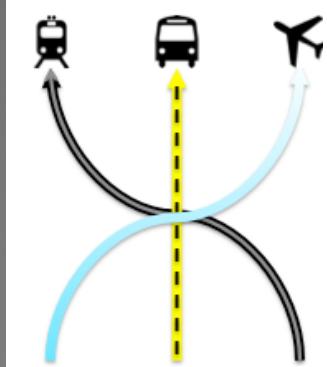


- Compare across modes of transportation to find you the cheapest and fastest routes!
- Connect multiple modes of transportation to services routes that require at least one transfer across modes of transportation

Examples of Target Audience

- College students on a budget
- Businessmen who value their time
- Travelers unfamiliar with the area

Our Logo



Nightcrawler

Travel Providers



Cities that we serve

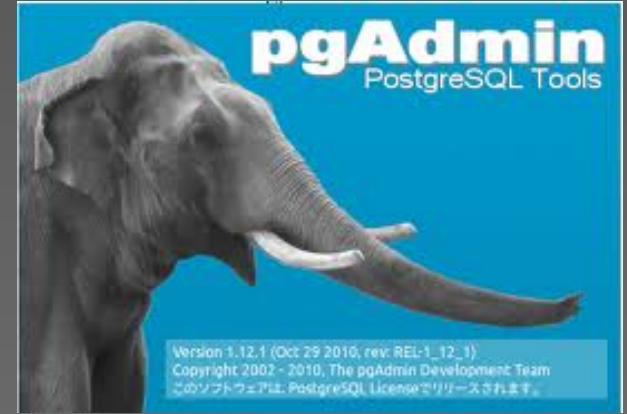
- New York
- Albany
- Amherst
- Baltimore
- Binghamton
- Boston
- Buffalo
- Buffalo Airport
- Burlington
- New Brunswick
- New Haven
- Fair Haven
- Harrisburg
- Harford
- Rochester
- Salisbury
- Watertown
- Worcester
- Belfast
- Bridgeport
- Philadelphia
- Secaucus
- State College
- Storrs
- Syracuse
- Washington, DC
- Allentown
- Altoona
- Atlantic City
- Bangor
- Bar Harbor
- Bedford
- Block Island
- Bradford
- Cumberland
- Dubois
- Saranac Lake
- Westerly
- Princeton
- Berlin
- Concord
- Providence
- Easton
- Endicott
- Erie
- Franklin
- Hagerstown
- Hanover
- Hyannis
- Islip
- Ithaca
- Jamestown
- Johnstown
- Keene
- Lancaster
- Latrobe
- Manchester
- Trenton
- Williamsport
- Princeton Junction
- Newark
- Martha's Vineyard
- Massena
- Nantucket
- Newburgh
- Stewart Field
- Ogdensburg
- Plattsburgh
- Portland
- Poughkeepsie
- Presque Isle
- Provincetown
- Reading
- Rockland
- Rutland
- Utica
- Windsor Locks
- Amsterdam
- Brattleboro
- Newark Airport

Functionality

- Drop down menu for cities in the northeast
- Enter time and date preferences
- Sort results by cheapest prices, fastest elapsed time, by arrival time or by departure time
- Links to book reservations
- Maps to display routes

Demo

Back-end



Scraping

POST Requests



python

GET Requests

Regular Expressions

Front-end



Future Directions

- Include more travel service providers (such as Bolt Bus and MTA North)
- Improve the speed of the algorithm
- Expand to other regions of the country
- Compare to cost of driving

Challenges

- Beautiful Soup
- AWS Deployment
- Message passing between front end and back end