

Course Project Phase 3

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Round-trip One-way Multi-city Weekend

From (custom)
Philadelphia, PA - Philadelphia (PHL)
 include nearby airports

To (custom)
Cleveland, OH - Hopkins Intl (CLE)
 include nearby airports

Depart (flexible)
03/19/2010 Anytime ▾
Friday, Mar 19 2010

Return (flexible)
03/22/2010 Anytime ▾
Monday, Mar 22 2010


1 traveler ▾ Economy ▾ Prefer Nonstop

Compare sites in new windows <input type="checkbox"/> Bing Travel <input type="checkbox"/> Hotwire <input type="checkbox"/> Expedia <input type="checkbox"/> Travelocity <input type="checkbox"/> Priceline Compare all	More search options <input type="checkbox"/> Find Hotels too <input type="checkbox"/> Find Cars too I am a student
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Search

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Philadelphia, PA to Cleveland, OH Fri Mar 19 2010 - Mon Mar 22 2010

[\\$49* to Cleveland](#) ads

Promo for Cleveland Flights. Today Only! Tickets from \$49.
farespotter.net/Cleveland+Flights

358 of 358 roundtrips shown [show matrix](#)

◀ Prev - Next ▶

Price	Airline	Takeoff	Landing	Stops (Duration)
\$294 <small>select</small>		PHL 1:15p → CLE 2:40p		0(1h 25m)
		CLE 7:05p → PHL 8:27p		0(1h 22m)
4 sites details save ✉ 🗑				
\$294 <small>select</small>		PHL 1:15p → CLE 2:40p		0(1h 25m)
		CLE 12:30p → PHL 1:52p		0(1h 22m)
4 sites details save ✉ 🗑				
\$294 <small>select</small>		PHL 1:15p → CLE 2:40p		0(1h 25m)
		CLE 11:30a → PHL 12:42p		0(1h 22m)
4 sites details save ✉ 🗑				

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\$310
select

PHL 2:12p → CLE 8:45p 1(0h 33m)

CLE 9:58a → PHL 1:47p 1(3h 49m)

4 sites [details](#) [save](#) [✉](#) [🗑](#)

[print](#) [share: facebook](#) [add to trip](#) [close](#) [🗑](#)

Site	Airfare	Taxes/Fees	Total	
Orbitz	\$270.00	\$39.80	\$309.80	Go
CheapTickets	\$270.00	\$39.80	\$309.80	Go
Midwest	\$270.00	\$39.80	\$309.80	Go

[Expedia.com](#) [click to see rates](#)

[See airline fees](#)

Depart - Fri Mar 19 2010

Midwest Flight 1455
 Departs: 2:12p Philadelphia (PHL)
 Arrives: 3:35p Milwaukee-Mitchell (MKE)
 Coach | Fare code: RR21YXN/WMA | Embraer RJ135 / RJ140 / RJ145 (Regional Jet +) | 2h 23m | 688 miles | 3 seats remain

Layover in Milwaukee, WI (MKE) for 2h 55m

Midwest Flight 1324
 Departs: 6:30p Milwaukee-Mitchell (MKE)
 Arrives: 8:45p Hopkins Intl (CLE)
 Coach | Fare code: RR21YXN/WMA | Embraer RJ135 (Regional Jet +) | 1h 15m | 327 miles | 7 seats remain

Return - Mon Mar 22 2010

Midwest Flight 1323
 Departs: 9:58a Hopkins Intl (CLE)
 Arrives: 10:15a Milwaukee-Mitchell (MKE)
 Coach | Fare code: RR21YXN/WMA | Embraer RJ135 (Regional Jet +) | 1h 17m | 327 miles | 7 seats remain

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Phase 3

- Complete application-level programming
- A user should be able to:
 - Create an account
 - Store information in the account (credit cards, travelers)
 - Search for trips on a certain date
 - Purchase tickets/fares

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Searching for Flights

- All flights in the data are one-way and direct
- Users should be able to see trips that consist of multiple direct flights with layovers
 - E.g. someone wants to go from PHL to ABQ, but there's no direct flight. There may be a flight from PHL to IAD, then IAD to ABQ, though.
 - For simplicity, price of trip = sum of price of individual fares
 - Price of round trip = sum of prices of all fares
- Users should be able to indicate preferences as noted in the requirements
 - Airport type, cabin, one-way, etc

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