MICHIGAN STATE UNIVERSITY **Alpha Presentation** Lounge Management System The Capstone Experience **Team United Airlines Digital Technology Evan Lihou**

Evan Lihou Jon Spiwak Katrina Zhu Deven Patel

Department of Computer Science and Engineering Michigan State University Fall 2020

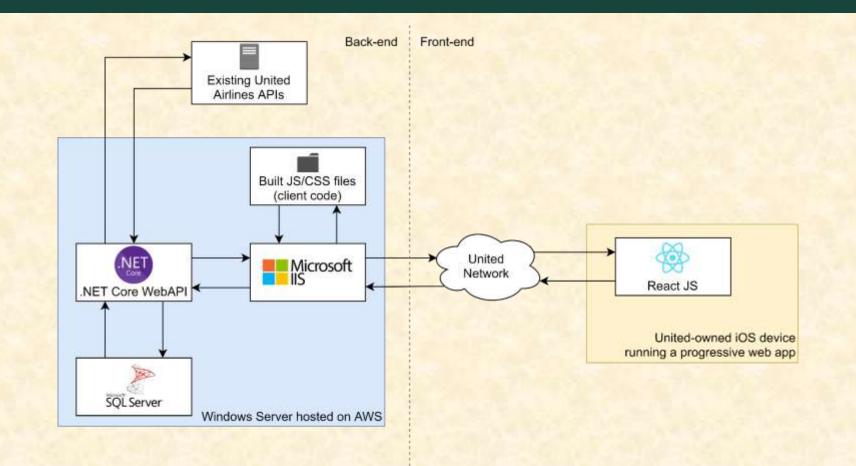


From Students... ...to Professionals

Project Overview

- United Airlines provides lounges for customers
- Our system manages these lounges to provide customers with a better experience
- This is accomplished through the automation of administrative tasks
- This results in a better customer experience by allowing staff to focus on interacting with customers, giving the appearance of a higher staff to customer ratio

System Architecture



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Home Screen

UNITED 📉						()	*
	HELLO JEFF							
Jeff Johnson	ANNOUNCEMENTS	202				2022		
U600208	Welcome!	FI	ri, ľ	Nov	/ 13	Bth		
	Welcome to the UAL lounge management system. This is your 'My Home' page. To	Sun	Mon	Tue	Wed	Thu	Fri	5
	access more operation, select a widget on the left of the screen.	1	2	3	4	5	6	3
	NOTIFICATIONS	8	9	10	11	12	Nov 13	
n Customer	There are no notifications to display.	15	16	17	18	19	20	
AMENITY			Amen	ity Usage				
	MY TASK	Showe	r	10/30				
	1. Replenish shower supplies and daybed supplies.	à la carte	•			2	4/30	
		Daybed	8	/30				
			0		10	20		

The Capstone Experience

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Wait List

UNITED				• •
	Waiting Lis	t Managemen	t Estima	ted Wait Time: 25 min
Jeff Johnson U600208	Show 10 v entries	17	Search	E
	CUSTOMER	FLIGHTCARRIER #	FLIGHTNUMBER \$	OPERATION 0
9 соммилиту	Patel Deven	UA	719	Notify Remove
	Spiwak Jon	UA	092	Notify Remove
	Thomas Justin	UA.	802	Notify Remove
	Tiger Woods	UA .	0192	Notify Remove
1	Zhu Katrina	UA	039	Notify
	Showing 1 to 5 of 5 e	ntries		Previous 1 Next

Adding New Customers

	Add New Customer			sto
8 4			Search for Customer	
	Last Name	First Name		no
	Last Name	First Name		m
() (O)	Phone	Flight		m
	Phone Number	Flight Number		m
📩 cus	Reservations			m
	Shower			m
	□ à la carte			m
AMI	DayBed			
		Save	Cancel	
		8		

API Documentation

Amenity	~
DELETE /Amenity/{id} Deale a sign amenity	
PONT /Amenity/(id) Edia ungeramony	
POILT /Amonity Add a single arrange	
POST /Agenity/(id)/ServiceStatus Update the service status of an animity	
Customer	~
GET /Customer/TestGetInfo/(id)	
POST /Customer/(1d) Update a matement Properties nut persent in or set to nut will not be changed.	
Customer/OnEsterLounge/{loungeId} indicate a sustainer entering a lounge)
Lounge	~
GET /Lounge Fresh a full of ulticonges	
CET /Lounge/{id} Get a specific lounge	
CET /Lounge/{id}/AmenityCategories Genal amenitars n use a given lounge as well an appropried status data for each)
/Lounge/(loungeId)/Amenities/(categoryId) Feich al individual amention and their state for a given lounge and subsport	
FORT /Lounge/SeedDB For development purposes only, used the database with test data. This will only work if the database does not already have data.	
Waitlist	~
OET /Maitliet/(loungeld)/ForCategory/(amenityCategoryId) Get the summit list of customers waiting for a given amenity category in a burge	
DELETE /Waitlist/(entryId) Remove a sustamention a walder, given their entry (D)	
POIL /Maitlist/{entryId}/Notify restorer on the walket	
Maitlist/AddCustomerManually Add a controver to the wallbot who is not aready in the detatures	

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What's left to do?

- Tracking amenity turnover time
- Tracking customer use and extracting actionable data
- Refine user interface

Questions?

