MICHIGAN STATE UNIVERSITY

Beta Presentation Automated Process for Airworthiness Release

The Capstone Experience

Team United Airlines Training

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Spring 2024

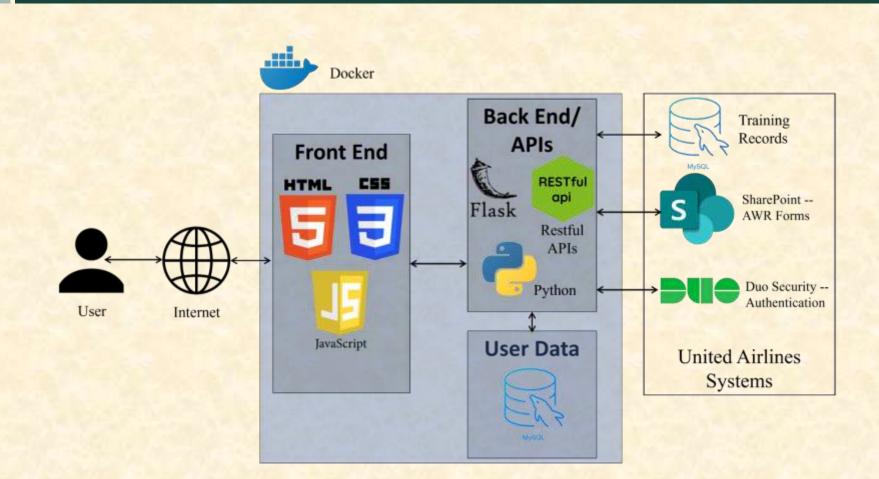


From Students... ...to Professionals

Project Overview

- United Airlines needs to store all information for an AWR form in one place
- Our solution is a website that provides automated record checks, progress tracking and notifications, and record updates for technicians and supervisors
- Digital signatures are utilized to authenticate and monitor technician progress

System Architecture





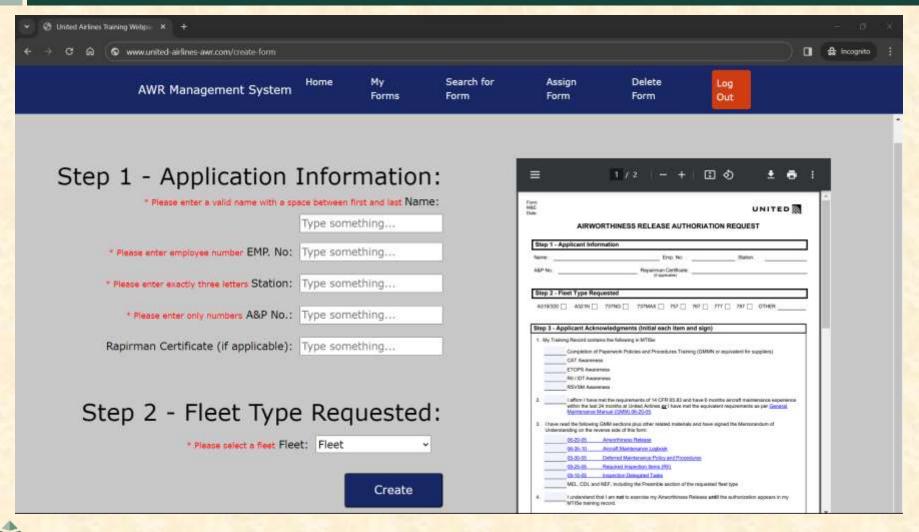
Search Page

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	AWR Management Sys	Home Stem	My Sea Forms For	rch for Assigr m Form	n Delete Form	Log Out		
		Туре	name here	Search				
	Fleet	Plane Type 🛛 👻	mm/dd/yyyy 🗖	A&P No. Sta	tion Form ID			
	#	Name	Fleet	Form ID	Supervisor	Progress	Date Started	
	1	John Doe	A319/320	31-0054	John Appleseed	Step 1/2	Mon, 01 Jan 202 00:00:00 GMT	
	2	Jane Doe	A321N	31-0059	Mark Cuban	Step 3	Fri, 02 Feb 2024 00:00:00 GMT	
	3	AL Yankovic	737NG	31-0052	Hugh Jackman	Step 4	Sun, 31 Dec 202 00:00:00 GMT	
	4	Helen Parr	737MAX	31-0045	Brittney Smith	Complete	Tue, 07 Nov 202 00:00:00 GMT	
	5	John Doe	757	31-0048	John Appleseed	Step 1/2	Tue, 12 Dec 202 00:00:00 GMT	

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Create Form Page



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Progress Page

	AWR Management System	My Forms	Search for Form	Assign Form	Delete Form	Log Out	
ohn	Doe AWR Progr	ess					
	Step 0: Form Assigned			=	1 / 2	- + E S	± 6 :
	Step 1&2: Applicant Information & Fleet Type					In and an and a second	
	Step 3&4: Applicant Awknowledgements & Air	worthiness Re	lease Auth <mark>o</mark> rity				
	Step 5: Supervisor Endorsements						
×	Certificate Validation						
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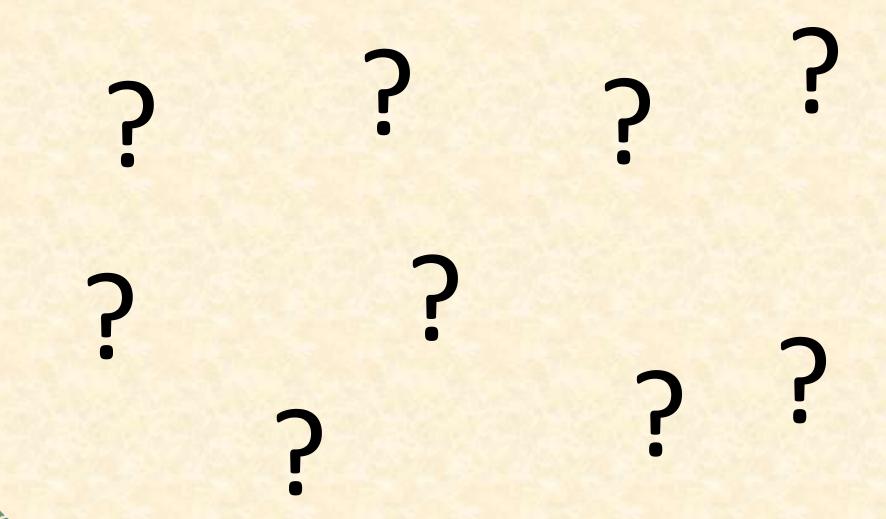
Assign Form Page

					120122307		
AWR Management System	Home My For	ms Form		Assign Form	Delete Form	Log Out	
Assign AWR Fo	rm					_	
Selected Technician:			Techn	ician S	Search		
Name: Type something			Jane Doe	1u27u24H97	IAH		
EMP. No: Type something			John Doe	LU15U15S55	LAS		
Station: Type something			AL Yankovic	PU29U21X49	РНХ		
			Helen Parr	TU19U18A89	TPA		
	Search						
	Anning						
	Assign						

What's left to do?

- Other Tasks
 - Bug Fixes
 - CSS
 - Integration Edits From United
 - Migrate Databases to Server

Questions?



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