

Highlight of Major Project

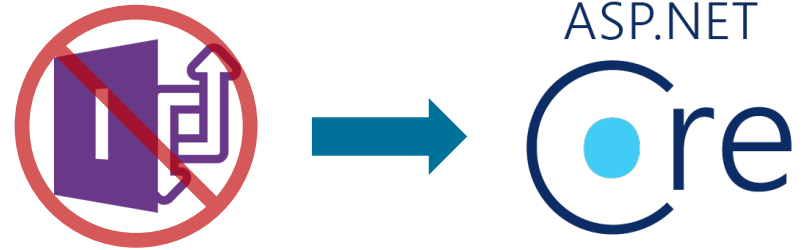
Medical InfoPath Form Conversion

Team: Enterprise Application Development (EAD)
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Medical InfoPath Form Conversion

Task: Transfer old medical InfoPath forms to Microsoft's ASP.NET Core MVC framework

- Greenfield project
- Dynamic form design
- Code-first approach
- Effective database storage and future lookup
- Design with long-term maintenance in mind



Medical InfoPath Form Conversion

- UI changes

Old Form

Respirator Medical Evaluation Questionnaire

Employee

Insurance#	Employee Name	Phone Ext.
<input type="text"/>	<input type="text"/>	<input type="text"/>
Dept. Name:	Division	Current Position
<input type="text"/>	<input type="text"/>	<input type="text"/>

Confidential Medical Record

Appendix C to 81910.134: OSHA Respirator Medical Evaluation Questionnaire

To the Employee:

Can you read: ☐ Yes ☐ No

Section

Part A Section 1. (Mandatory) The following information must be provided by every employee who has been selected to use any type of respirator (please print).

1. Today's Date:

2. Age:

3. Sex:

4. Your Height: ft. in.

5. Your Weight: lbs.

6. A phone number where you can be reached by the health care professional who is evaluating you (include the Area Code):

Iteration 1

Respirator Questionnaire

Employee Demographics

Insurance#

Employee Name:

Phone Ext.

Work Schedule:

Current Name:

Current Position:

Confidential Medical Record

Can you read?

Today's Date:

Age:

Iteration 2

Respirator Medical Evaluation Questionnaire

Employee

Insurance #	Employee Name	Phone Ext.	Work Schedule
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dept. Name:	Division	Current Position	
<input type="text"/>	<input type="text"/>	<input type="text"/>	

Confidential Medical Record

Appendix C to 81910.134: OSHA Respirator Medical Evaluation Questionnaire (Mandatory)

To the Employee:

Can you read: ☒ Yes ☐ No

Part A, Section 1

(Mandatory) The following information must be provided by every employee who has been selected to use any type of respirator.

1. Today's Date:

Medical InfoPath Form Conversion

You are currently charting on: **WELLS, BAXTER**



Respirator Medical Evaluation Questionnaire



Employee

Insurance #

123456

Employee Name

WELLS BAXTER

Phone Extension

4050

Crew Number

T&M

Department Name

IT

Division

EAD

Current Position

Intern

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Appendix C to 81910.134: OSHA Respirator Medical Evaluation Questionnaire (Mandatory)

To the Employee:

Can you read: ☒ Yes ☐ No

Final Iteration

- Refined UI
- Dynamic employee database implementation
 - Employee picture lookup
 - Auto-filling sections
- Multitiered architecture
 - Core, Persistence, Models, Website

Medical InfoPath Form Conversion

Biggest Challenges

- Learning ASP.NET Core
- Building UI from the ground-up

Next Steps

- Refine backend structure
- Submitting form data
- Store pre-existing data
- Convert more forms

