

# Highlight of Major Project

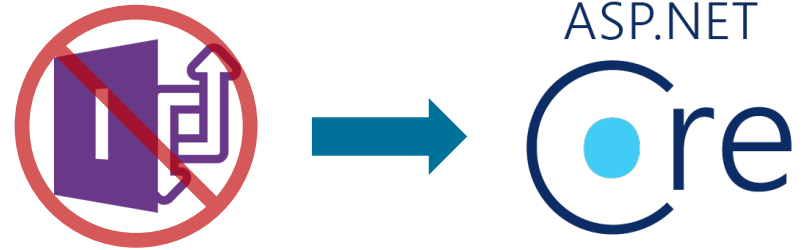
## Medical InfoPath Form Conversion

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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**

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**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**

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**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:

mm/dd/yyyy

# 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

### 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

## 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

