

1. Candidate Details

Application Overview

Candidates across various universities file an application form to register for an exam. Each form has to go through a certain review process where approval is needed from several reviewers. For simplicity let us assume the reviewers are Reviewer 1-4. We are designing a console for Super-Admin where they can see the list of forms filled by each candidate.

UI Screen 1

☐ Delete

<input type="checkbox"/>	id	Name	Email	Phone#	Form Name	Form Status	Action
<input type="checkbox"/>	1						View / Delete
<input type="checkbox"/>	2						View / Delete
<input type="checkbox"/>	3						View / Delete

On page load, Forms filled by all the candidate(s) should be shown.

Along with the form, we need to show the last action performed on the form.

On click of delete, the form should get deleted and should disappear from the list.

On click of the checkbox, the inline buttons should disappear and only the Delete button placed above the gridview should be enabled. The Super-Admin can then delete multiple forms.

On click of the View button, the page should be navigated to the second screen.

UI Screen 2

Details of individual forms filled by the respective candidates are to be shown here.

Candidate details should be displayed as shown below.

We need to list out all the actions performed on the form in chronological order.

Waiting time- For each action, we need to calculate the amount of time spent on it.

Total Waiting Time- Implement a timer to calculate the total time spent on the form since the first submitted date and time.

Id	1	Name	John C	Phone# 12345566	Email johnc@examroom.ai
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Form	E0 Nurse Aid Training Program	Status	Pending	Total Waiting Time	8 Hours 47 Mins
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Id	Action Action On	Waiting Time
1	Pending for Reviewer1 Approval 25-Aug-2021 10:00	-
2	Requested for a Change 25-Aug-2021 15:00	5 Hours
3	Pending for Reviewer1 Approval 25-Aug-2021 18:35	3 Hours 35 Mins
4	Approved by Reviewer 1 25-Aug-2021 18:47	12 Minutes
5	Pending for Reviewer2 Approval 25-Aug-2021 18:47	0 Minutes

Please create appropriate APIS for the above screens.

Tables

Candidate

<u>Column Name</u>	<u>Data type Description</u>
Id	INT Identity column
Name	VARCHAR(50) NOT NULL
EmailId	NVARCHAR(50) UNIQUE, NOT NULL
PhoneNumber	VARCHAR(15)
AddressLine1	NVARCHAR(200)
AddressLine2	NVARCHAR(200)
Active	BIT Should not displayed in list if Active = 0

Form

<u>Column Name</u>	<u>Data type Description</u>
Id	INT Identity column
Name	VARCHAR(50) NOT NULL
Active	BIT Should not displayed in list if Active = 0

FormAction

<u>Column Name</u>	<u>Data type Description</u>
Id	INT Identity column
CandidateId	INT FK (Candidate)
FormId	INT FK (Form)
Action	VARCHAR(80)
ActionOn	DATETIME