

# Candidate 1

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
7a.	Actor is strong Role is strong	
7b.	Each actor can have one, many, or no roles. Each role must belong to exactly one actor. <del>#</del> The relationship between Actors and Roles is optional, while the relationship between Roles and Actors is mandatory.	
7c.	<del>make</del> genre varchar(6), <del>just</del> CHECK(genre IN 'Horror', 'Comedy', 'Action')	
8a.	Technical	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
8b.	<pre>                     graph LR                         Admin[admin staff] --- Make(make appointments)                         Admin --- Edit(edit appointments)                         Admin --- Cancel(cancel appointments)                         Medical[medical staff] --- View(view patient notes)                         View -- include --&gt; Add(add details)                         subgraph Database                             Appointments[(appointments database)]                         end                     </pre>	
8c.	<p><del>A surrogate key has meaning related to the rest of the information, so it can be</del></p> <p>Surrogate keys will not be reused <del>and</del> so it will be easier to differentiate <sup>between</sup> new and historical data</p> <p>A surrogate key is only one column so will take up less <sup>disk</sup> space than a composite key.</p>	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	Sel. parentType = "Child"	
	Sel. WHERE dateApp BETWEEN '27/05/2024'	
	AND '31/05/2024'	
	Sel The count() function cannot be used in	
	the search criteria.	
	<del>HAVING count</del>	
	HAVING count(*) > 10	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
85i	09/06/2024	
	12/06/2024	
	12/06/2024	
	14/06/2024	
<del>85i</del>		
85ii	09/06/2024	
	12/06/2024	
89	<code>&lt;form method='post' action='search.php'&gt;</code>	

# Candidate 2

7a) Strong

b)

```

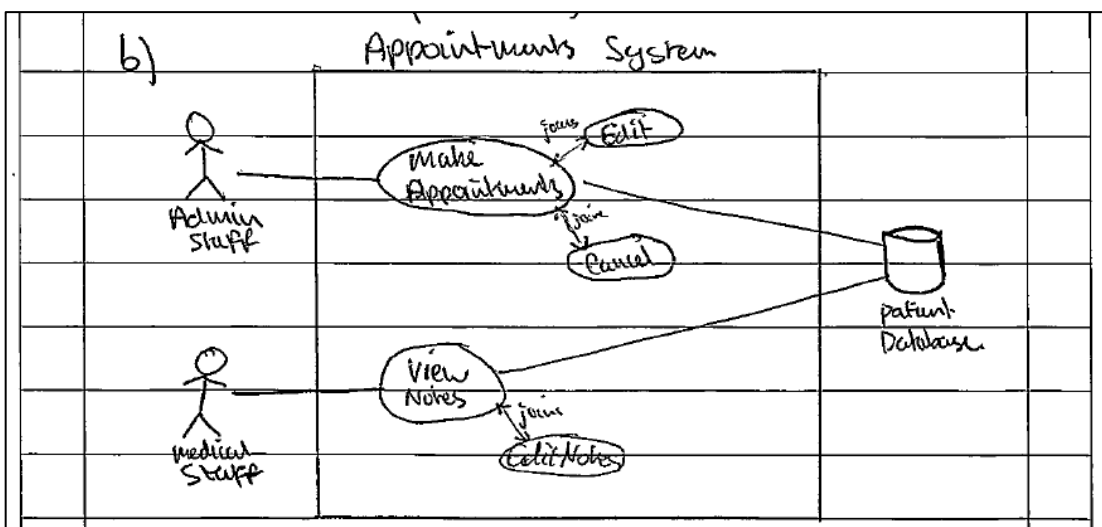
classDiagram
    Actor "1" -- "*" Role
    
```

There many roles to one actor.

c) Brewery Table/ Movie (

- MOVIEID INT <sup>not Null</sup> Auto-Increment, pk
- Title varchar(255) Not Null,
- genre Selection {Horror, Comedy, Action} Not Null,

8a) Technical glassibility



	c) 1. The surrogate key will be one easily repeatable and storable key, reducing complexity. It makes it easier for humans to refer to the appointment	
	2. It will make the database more efficient since indexing one key is faster than indexing a compound key	
	d) patient Type = "Child"	

ENTER NUMBER OF QUESTION		DO NOT WRITE IN THIS MARGIN
	<p>e) (i) <del>Aggregate</del> COUNT(*) cannot be used in search criteria, it must be moved to <del>Having</del> Having</p> <p>There is no field called age, instead the patient Type field should be used and checked if it is "Adult"</p>	

	<p>ii) WHERE dateApp.Appointment &gt;= 27/05/2024 AND  <del>dateApp</del> dateApp.Appointment &lt;= 31/05/2024</p>	
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	SJAS	date App	
		09/06/2024	
		12/06/2024	
		12/06/2024	
		14/06/2024	
	(M)	date App	
		09/06/2024	
		12/06/2024	
g) action = "/search.php" method = "POST"			