DBS 211 – Introduction to Database Systems

Group Project  
Milestone – 3

Immigration, Refugees and Citizenship Canada (IRCC)

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1. The applicant's application status, which can only be viewed from the applicant's side, is displayed in this view. The security of the system will be strengthened as a result. This will also result in the construction of a special database created exclusively for the applicant.

CREATE OR REPLACE VIEW applicantStatus AS  
SELECT  
 a.fName,  
 a.lName,  
 a.phone,  
 a.email,  
 ap.applicationDate,  
 ap.status  
 FROM  
 applicant a LEFT JOIN application ap  
ON a.userName = ap.userName;

1. The IRCC can study the files of accepted applicants with the help of this query, and the government can also request data from those files to provide that person any legal or authorized document. Exclusively for the applicant.

CREATE OR REPLACE VIEW approveApplicant AS  
SELECT   
 a.fName,  
 a.lName,  
 a.phone,  
 a.email,  
 ap.applicationDate,  
 ap.status  
 FROM  
 applicant a INNER JOIN application ap  
ON a.userName = ap.userName  
WHERE ap.status LIKE 'Approved';

1. This investigation can be used by the IRCC's top or main management to determine who is handling how many cases and which cases are handled by which office. It may also be used by the officials handling the matter for internal investigations.

CREATE OR REPLACE VIEW officerCountry AS  
SELECT  
 o.firstName,  
 o.lastName,  
 oc.country  
 FROM  
officer o INNER JOIN office oc   
ON o.officeCode = oc.officeCode;

1. The information provided by this view category helps the IRCC determine which visa the visitor is using, how long they plan to stay, and how long the visa will be valid. They can also view the visitor's fundamental information with the aid of the join. It will be simpler to keep track of each visitor as a result.

CREATE OR REPLACE VIEW applicantsCategory AS  
SELECT   
 a.fName,  
 a.lName,  
 ap.applicationNumber,  
 v.category  
 FROM   
applicant a INNER JOIN application ap   
ON a.userName = ap.userName  
INNER JOIN applicationdetails ad   
ON   
ap.applicationNumber = ad.applicationnumber  
INNER JOIN visa v   
ON ad.passportNumber = v.passportNumber;