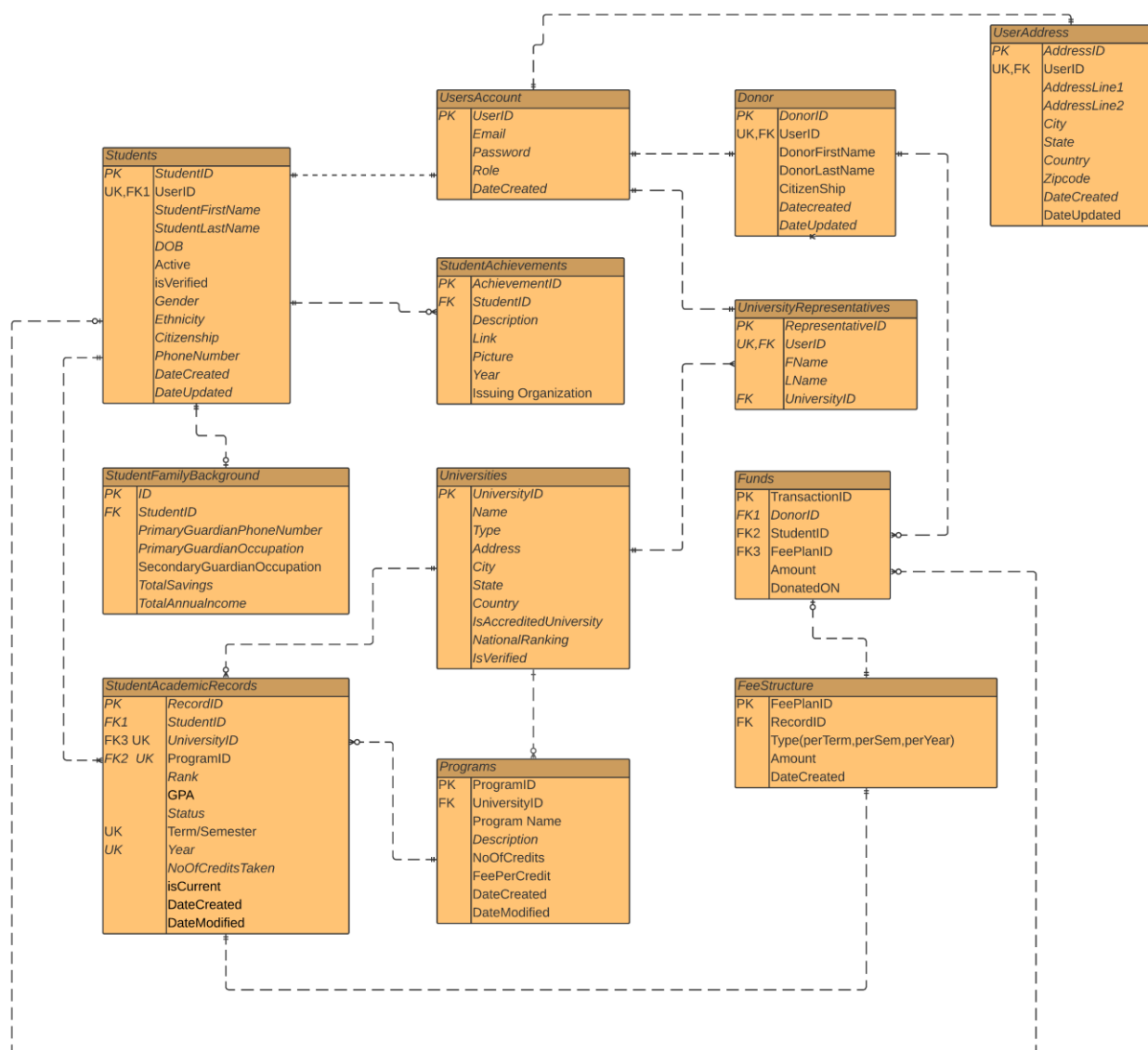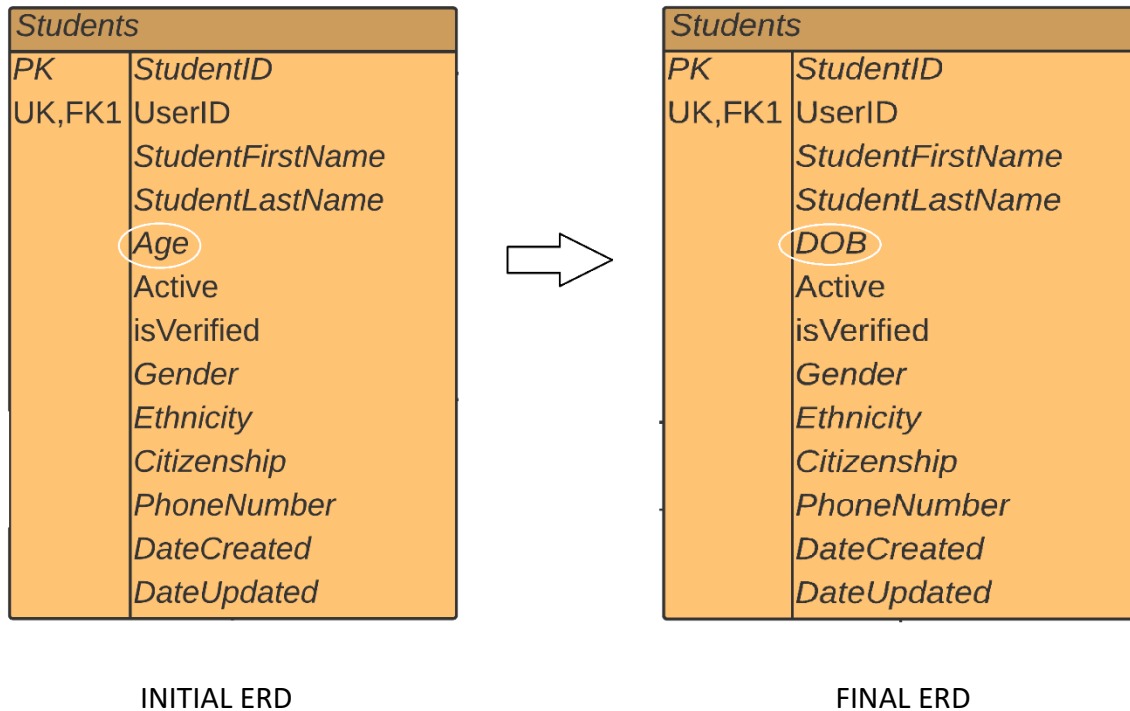Asfan Sajid
Disha Sengar
Latish Talreja
Sandhya Goswami
Sushmitha Jogula

Student Aid Database System

Final ERD

UserAddress

PK	AddressID
UK,FK	UserID
	AddressLine1
	AddressLine2
	City
	State
	Country
	Zipcode
	DateCreated
	DateUpdated

UsersAccount

PK	UserID
	Email
	Password
	Role
	DateCreated

Donor

PK	DonorID
UK,FK	UserID
	DonorFirstName
	DonorLastName
	CitizenShip
	Datecreated
	DateUpdated

Students

PK	StudentID
UK,FK1	UserID
	StudentFirstName
	StudentLastName
	DOB
	Active
	isVerified
	Gender
	Ethnicity
	Citizenship
	PhoneNumber
	DateCreated
	DateUpdated

StudentAchievements

PK	AchievementID
FK	StudentID
	Description
	Link
	Picture
	Year
	Issuing Organization

UniversityRepresentatives

PK	RepresentativeID
UK,FK	UserID
	FName
	LName
FK	UniversityID

StudentFamilyBackground

PK	ID
FK	StudentID
	PrimaryGuardianPhoneNumber
	PrimaryGuardianOccupation
	SecondaryGuardianOccupation
	TotalSavings
	TotalAnnualIncome

Universities

PK	UniversityID
	Name
	Type
	Address
	City
	State
	Country
	IsAccreditedUniversity
	NationalRanking
	IsVerified

Funds

PK	TransactionID
FK1	DonorID
FK2	StudentID
FK3	FeePlanID
	Amount
	DonatedON

StudentAcademicRecords

PK	RecordID
FK1	StudentID
FK3 UK	UniversityID
FK2 UK	ProgramID
	Rank
	GPA
	Status
UK	Term/Semester
UK	Year
	NoOfCreditsTaken
	isCurrent
	DateCreated
	DateModified

Programs

PK	ProgramID
FK	UniversityID
	Program Name
	Description
	NoOfCredits
	FeePerCredit
	DateCreated
	DateModified

FeeStructure

PK	FeePlanID
FK	RecordID
	Type(perTerm,perSem,perYear)
	Amount
	DateCreated

Changes made to ERD when compared with the initial draft

Students	
PK	StudentID
UK,FK1	UserID
	StudentFirstName
	StudentLastName
	Age
	Active
	isVerified
	Gender
	Ethnicity
	Citizenship
	PhoneNumber
	DateCreated
	DateUpdated

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Students	
PK	StudentID
UK,FK1	UserID
	StudentFirstName
	StudentLastName
	DOB
	Active
	isVerified
	Gender
	Ethnicity
	Citizenship
	PhoneNumber
	DateCreated
	DateUpdated

INITIAL ERD   FINAL ERD

1. Removed **Age** attribute from **Students** table.
2. Added the attribute **DOB** (Date of Birth) into **Students** table as it is more relevant.

Note: Following comment was mentioned in the feedback for the initial ERD –

"In StudentAcademicRecords entity, NoOfCreditsTaken is redundant as it is maintained in Programs entity already (ProgramID as FK)."

We did not remove it as **NoOfCredits** in **Programs** Entity is used to store number of credits required to clear the program, whereas the attribute **NoOfCreditsTaken** in table *StudentAcademicRecords* is used to store the number of credits taken up by the student.