

## TABLE DESIGN

### User Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	UserId	int	Primary key	Unique identifier for each user.
2	Username	Varchar(20)	NotNull	User's username for login.
3	Password	Varchar(20)	NotNull	Securely hashed password.
4	Email	Varchar(50)	NotNull	User's email address.
5	Role	Varchar(20)	NotNull	User role(eg.:Customer,technician,admin).

### Repair Service Table

No.	Field Name	Datatype(size)	keyconstraints	Description
1	ServiceId	int	Primarykey	Unique identifier for each service.
2	ServiceName	Varchar(20)	NotNull	Name of the repair service.
3	Description	Varchar(255)	NotNull	Detailed description of the service.
4	Price	Decimal(10,2)	NotNull	Service cost.

### Booking Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	BookingId	int	Primary key	Unique identifier for each booking.
2	UserId	int	Foreign key	References user table.
3	ServiceId	int	Foreign key	References Repair_Service table.
4	BookingDate	DateTime	NotNull	Date and time of booking.
5	Laptop/computer_Issue	Text	NotNull	Description of the laptop/computer issue.
6	Status	Varchar(25)	NotNull	Booking status(Pending,In progress,Completed).

### Review Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	ReviewId	int	Primary key	Unique identifier for each reviews.
2	BookingId	int	Foreign key	References booking table.
3	Rating	int	NotNull	Numeric rating given by the user..
4	Comment	Text	NotNull	Customer's reviews and comments.

### Payment Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	PaymentId	int	Primary key	Unique identifier for each payment.
2	BookingId	int	Foreign key	References booking table.
3	PaymentDate	DateTime	NotNull	Date and time when the payment was made.
4	Amount	Decimal	NotNull	Amount paid.
5	Payment_Method	Varchar(20)	NotNull	Payment method used.
6	IsCompleted	Boolean	NotNull	Whether payment has been completed.

### Laptop Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	LaptopId	int	Primary key	Unique identifier for each laptop.
2	Brand	Varchar(20)	NotNull	Represents the laptop brand.
3	Model	Varchar(20)	NotNull	Represents the laptop model.
4	UserId	int	Foreign key	References user table.
5	Purchase_Date	DateTime	NotNull	Purchase date of laptop.
6	WarrantyEndDate	DateTime	NotNull	Date when the laptop's warranty expires.
7	Description	Text	NotNull	Additional information about laptop.

### Technicians Table

No.	Field Name	Datatype(size)	Keyconstraints	Description
1	TechnicianId	int	Primary key	Unique identifier for each technician.
2	UserId	int	Foreign key	References user table.
3	Specialization	Varchar(100)	NotNull	Technician's area of expertise(eg.:Hardware,Software)
4	Availability	Boolean	NotNull	Indicate if the technician is available for new bookings.

