# CS355 Databases

# Fall 2019

# Project Proposal

**ConnectHear DBMS**

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# *Submitted to*

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**Introduction**

*ConnectHear is a social entrepreneurial start-up with the aim to connect the deaf community with the society using Sign Language training classes and interpretation services – in-person and via video call and aims to make a positive difference in the lives of millions of Pakistani deaf individuals.*

*The idea is to develop a database system that helps ConnectHear manage their interpreters and allow for customers to book appointments. The application is also to allow the user to book an appointment, based on the available timings of the available interpreters.*

**Modules of the System**

1. *Interpreter data look up: A module that allows to look up an interpreter and their relevant details*
2. *Customer directory: A module that will allow to search for any customer and check details for their interactions with the company*
3. *Video playlist: A module that allows to look up any of the company’s videos and provides clickable links for them to view them.*
4. *Booking system: A module allowing for a potential customer to book an interpreter for a given selection of time slots.*
5. *Student records: A module allowing for a quick look at the status of a training class and update student records.*

***Instructor's Comments: In addition to the problem statement and objectives of the project, you were also required to write the business scenario that can be used to draw the system's ERD and design the interfaces. So, you should include the complete business scenario with details of entities and its attributes, business processes, relationships, and constraints.***

**Front-end Development**

*The target audience of this Interpreter Booking System will be using it over the internet. This will require a web-based front-end. Going with the traditional approach, we will be using a combination of HTML, CSS, and JavaScript along with some JS libraries and frameworks to develop the front-end of this application. The main objectives of the front-end will be to:*

*1. Provide the end-user with a clean, minimalistic, and intuitive representation of the form.*

*2. Provide appealing visuals to the end-user in order to make it easier for them to use the application.*

**Provide the list of possible user interface with usage descriptions.**

**Tools & Technologies**

*Back-end: SQL Server, Python*

*Front-end: C#, Python, Javascript*