Advanced Web – Assignment

User\_table

userID Int Identity PK

surname nvarchar(200)

forename nvarchar(200)

password nvarchar(100)

levelID int FK

staffID int

The user\_table will contain each user that has access to the system. levelID is a foreign key, referencing the level\_table.

Level\_table

levelID int FK

level\_name nvachar(100)

The level\_table will contain each level of nurse

Shift\_table

shiftID Bigint Identity PK

userID int FK

shift\_date date

The shift\_table will contain an entry for each shift. Containing columns, linking to the user and storing the date. An entry will be created for each and every shift. shiftID is a big int, as there will be 5 entries per week for each member of staff. So 6 staff \* 5 days is 30 shifts per week, or 1,560 per year. Having BigInt allows for expansion of the system, and ensures longevity.

Stored Procedures

User\_add --

User\_get --

User\_getAll --

User\_delete --

User\_edit --

Level\_add --

Level\_delete --

Level\_edit --

Level\_get --

Level\_getAll --

Shift\_add --

Shift\_delete --

Shift\_edit --

Shift\_get

Gets a shift based on shiftID

Shift\_getStartDate

Get all the shifts for a week, based on the start date passed in

Shift\_getUser

Get all the shifts for a user, based on