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### Progress Report 3

Our goals for this week include; a basic website design, user registration for said site, and possible camera functionality. Of these three goals, we have managed to accomplish the first two and broached the third significantly in the last month. For the website design, we have managed to implement a Django based web-application that allows a user to register and login. The site has three different views and the backend consists of a PostgreSQL with three tables, one for users, another for the robots, and the last one for tours. Users consists of a user attribute as well as a joined field that gives the date the user registered. The PiBot table consists of the PiBot location, name, and IP address. And the tours table contains the user's information and their registered PiBot.

User registration is a feature handled well by Django. In order to implement it, we used the forms aspect of Django which reads input from text boxes on the website and creates add statements that generates users in the User table. Eventually, these user will be able to register for a PiBot controller account which creates a Tour table that has a time, location, and the user associated with it.

For video streaming, we still have the same streaming delay issue with our most recent attempts which include vlc and cheese video streaming applications. Several new ideas that have yet to be implemented include; FFmpeg and Skype which will only be used as a last resort. Hopefully, video will be fully operational in the coming two weeks or it will have to be scrapped and a more AI heavy project load undertaken.