The project uses the Face-API.js library, built on TensorFlow.js, which provides pre-trained models for face detection and age/gender estimation. When the page is opened, the models are loaded first, and the camera feed is displayed in a <video> element. The library analyzes each video frame to detect the face and estimate age and gender, then displays the results directly on the page. The project does not require new data collection or model training, making it ready to use immediately on any device with a camera and modern browser.