

# CS492 DEMO UTHERE - T2305

Bilgehan Akcan - 2180290

İlke Kaş - 21803184

Kimya Ghasemlou - 21801412

Melike Demirci - 21702346

Mustafa Yuşa Babademez - 21703083

**Supervisor**

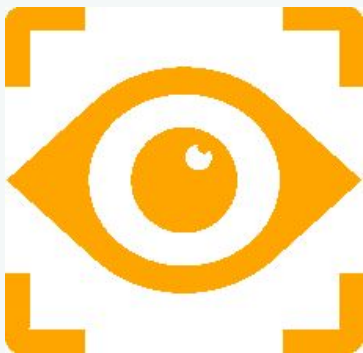
Ayşegül Dünder

**Jury Members**

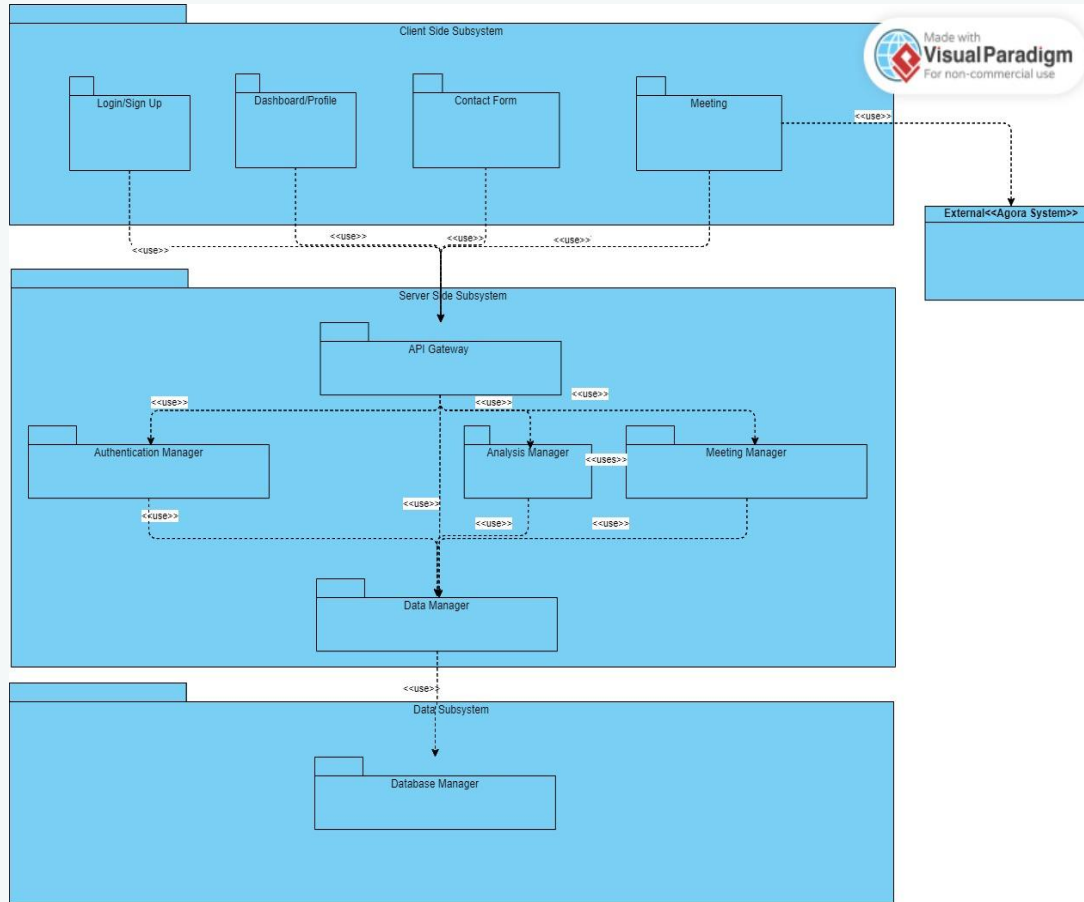
Tağmaç Topal

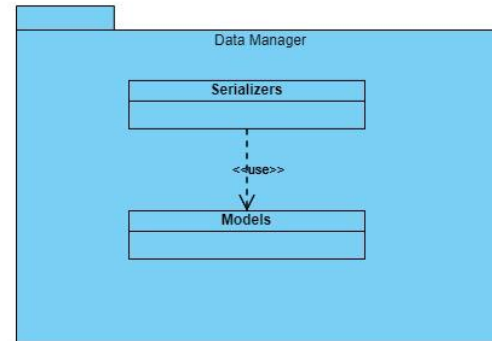
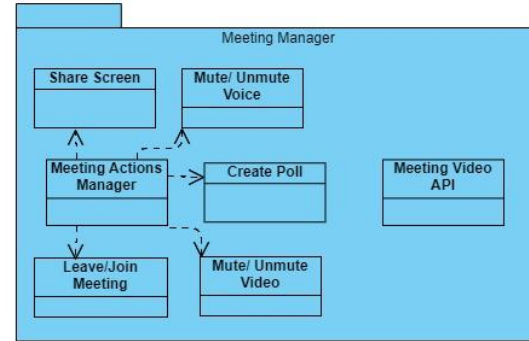
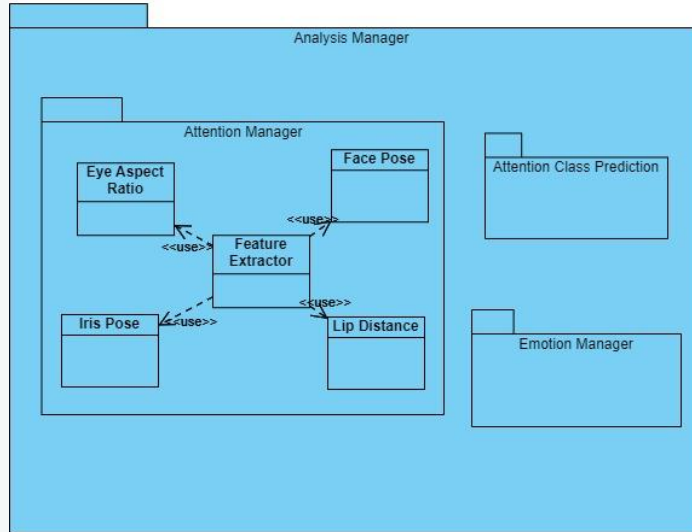
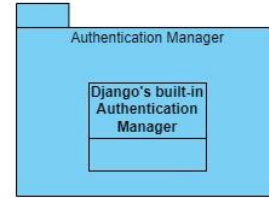
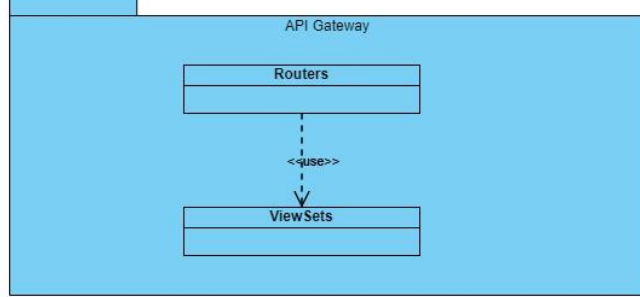
Erhan Dolak





- UThere Revolutionizes Online Meetings
- Real-time Engagement Tracking
- 88.5% accuracy
- Emotion Analysis
- Intelligent Reporting





Frames in Byte Stream



Selected 100 Frames



*Feature  
Extraction  
Module*



Features

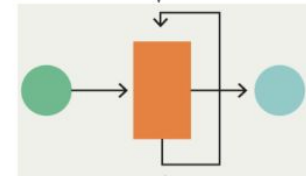
ear	lip_distance	face_pose	iris_pose
0.322427335	0	1	1
0.3444305603	0	1	1
0.3398471992	0	1	1

*Emotion  
Classification  
Model (DeepFace)*



Emotion Class Prediction

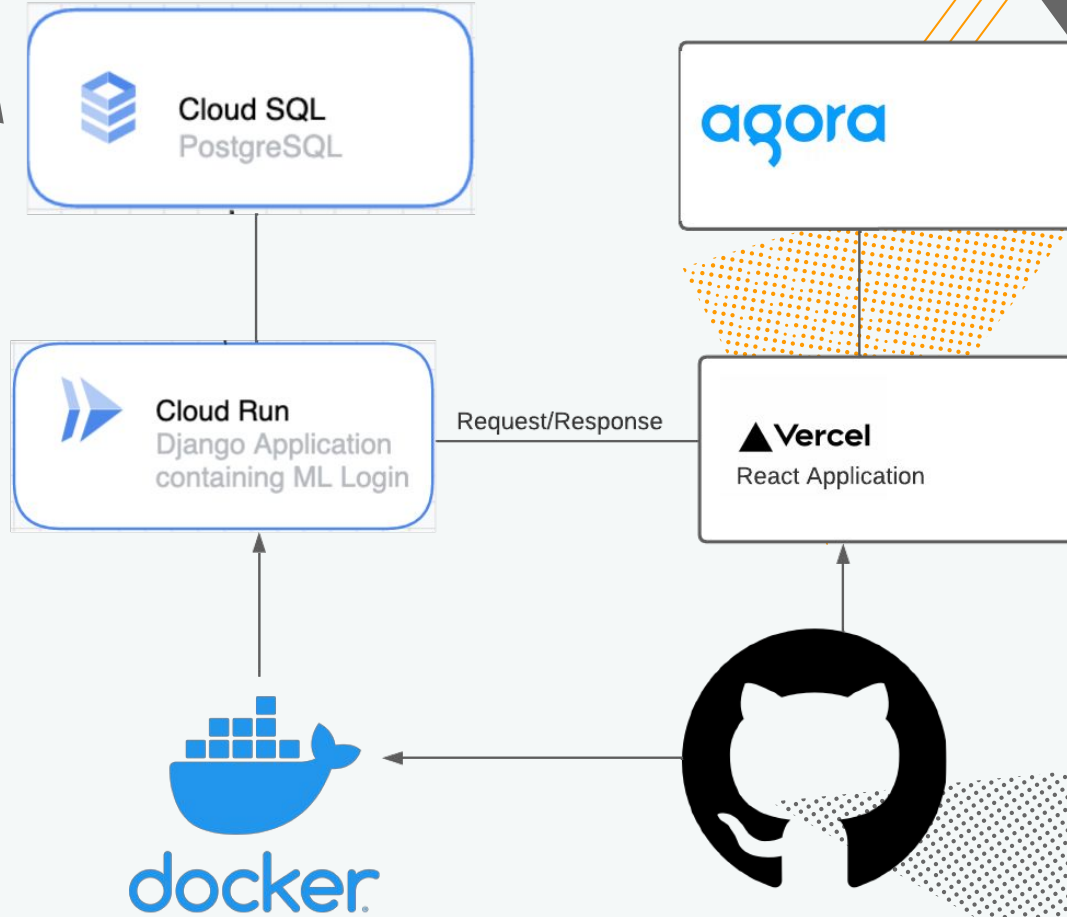
- 0: Sad
- 1: Angry
- 2: Surprise
- 3: Fear
- 4: Happy
- 5: Disgust
- 6: Neutral



RNN  
Model

Attention Class Prediction

- 1: Low
- 2: Middle
- 3: High



# Current Status

	Django - React - Agora	Attention and Emotion Analysis
Completed	<ul style="list-style-type: none"><li>• Login</li><li>• Register</li><li>• Contact Us</li><li>• Create Meeting</li><li>• Join Meeting</li><li>• Profile</li><li>• Alert</li><li>• Poll</li></ul>	<ul style="list-style-type: none"><li>• Eye Aspect Ratio</li><li>• Head Pose</li><li>• Iris Pose</li><li>• Lip Distance</li><li>• Attention Prediction with RNN</li><li>• Emotion Recognition</li></ul>
Future Work	<ul style="list-style-type: none"><li>• Reaction</li></ul>	<ul style="list-style-type: none"><li>• Eye Gaze Tracking</li></ul>



# THANKS!

Do you have any questions?