SUITER

Meet The Team

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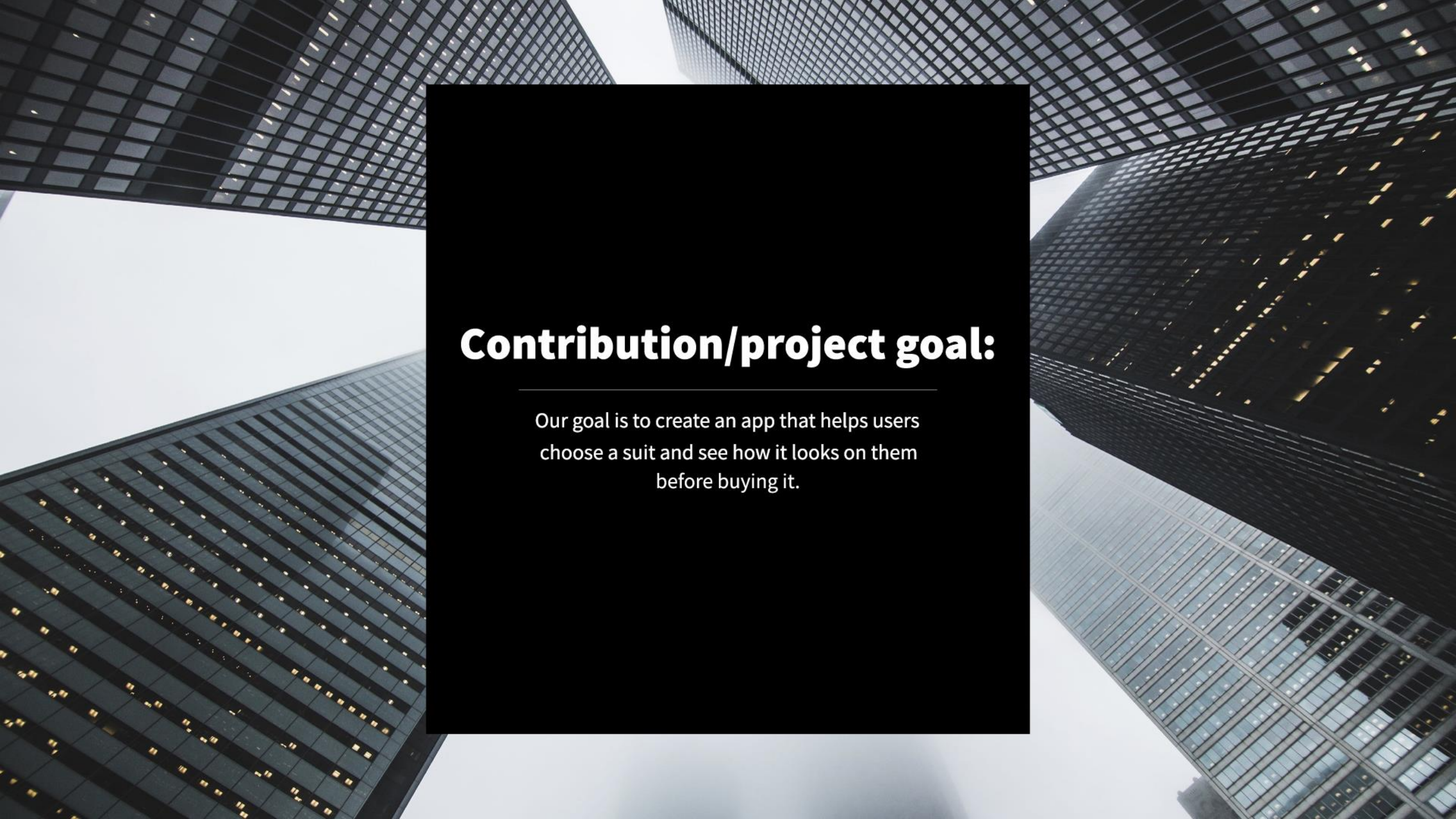


Contribution/project goal:

Our goal is to create an app that helps users choose a suit and see how it looks on them before buying it.

Introduction

The Suiter application will allow the user to choose a suit for himself and see how it will look on him. The user will provide a front view photograph of himself and choose colors for the suit, and the application will draw the suit on top of him accordingly.

Methods/algorithms/Alternatives or Design Considerations:

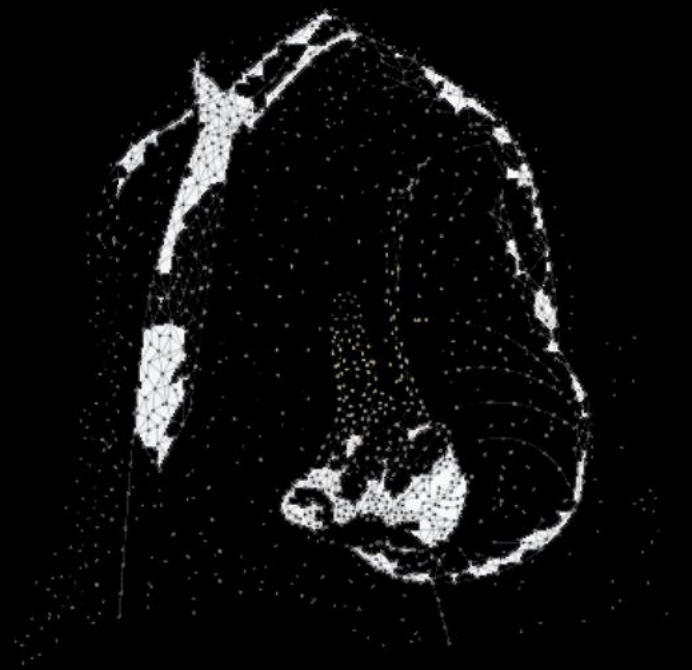
We could have used only deep learning, or only computer vision algorithms without any deep learning.

Alternatives:

Go to physical store or shop online and hope it will look good.

Design consideration:

Needs to run on smartphones.



Selected Approach:

We chose to use both deep learning and computer vision, for different steps of the process.

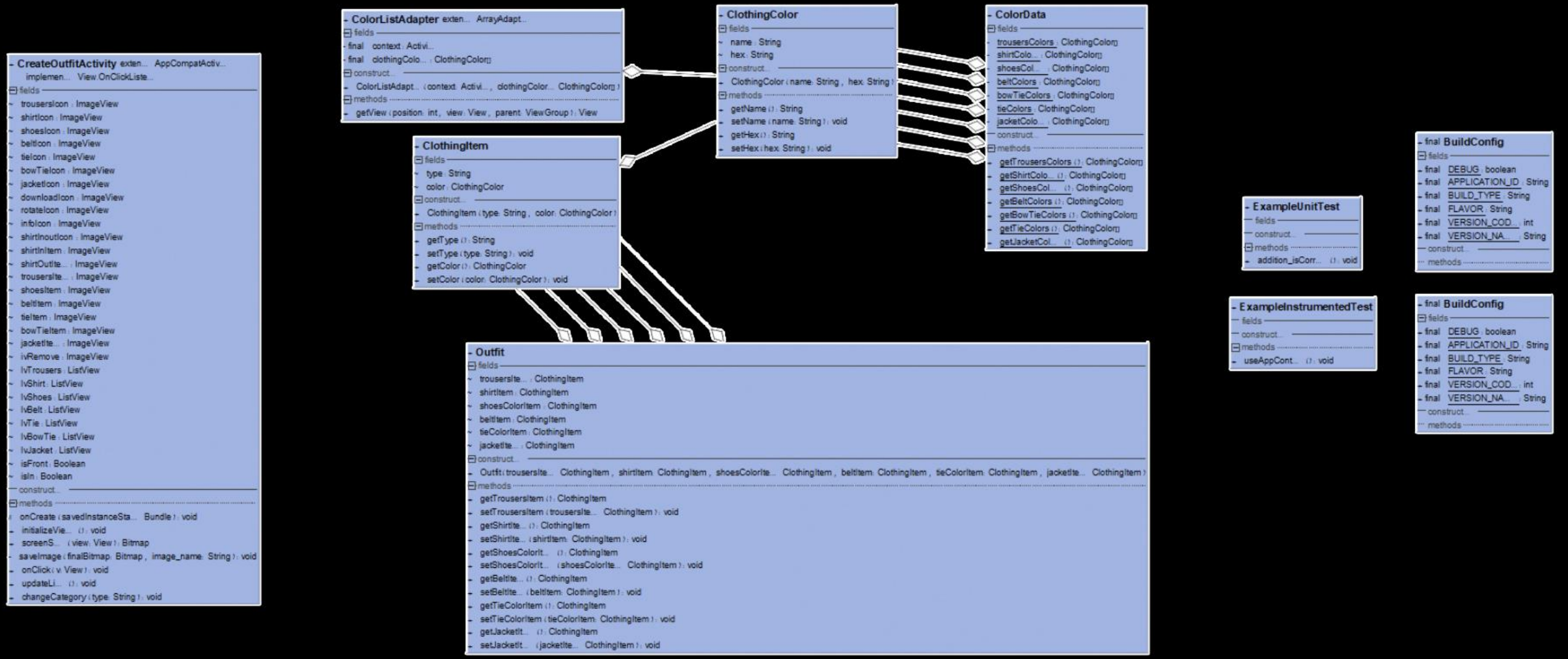
Deep learning:

Pose estimation, MaskRCNN

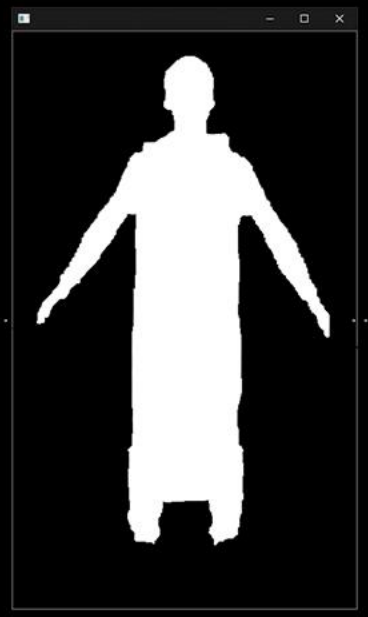
Computer Vision:

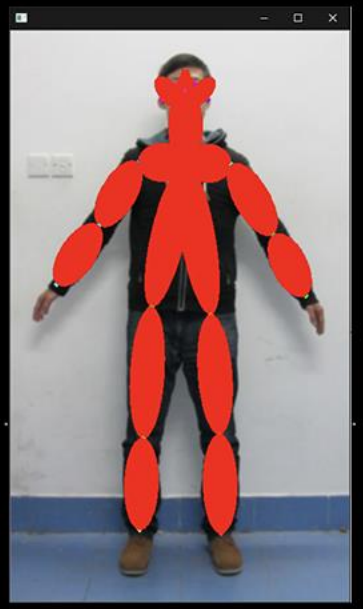
Triangulation, Piecewise Affine Transformation, Blending, Grabcut

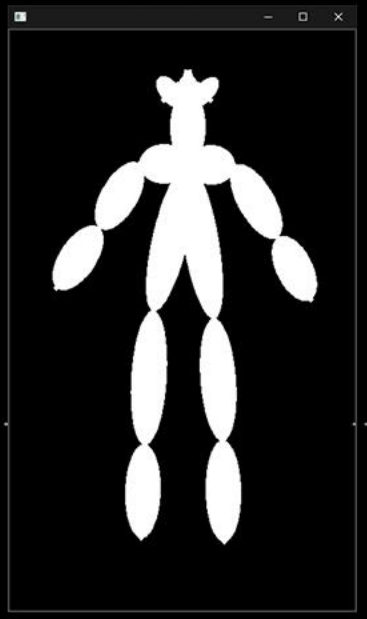
Suiter UML Class Diagram

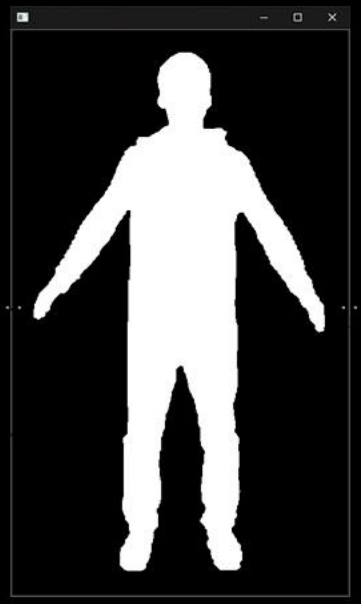


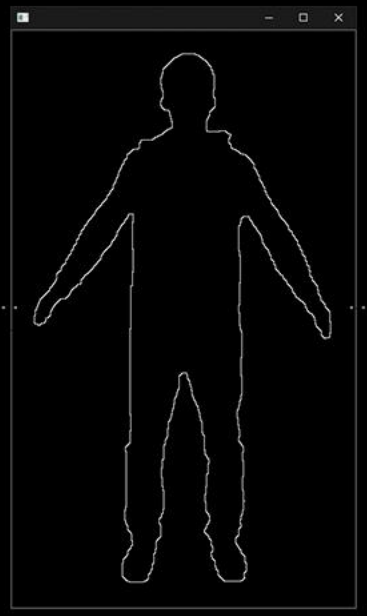
Solution Description:

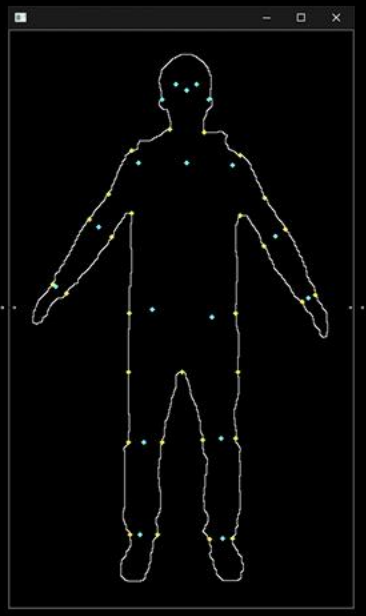


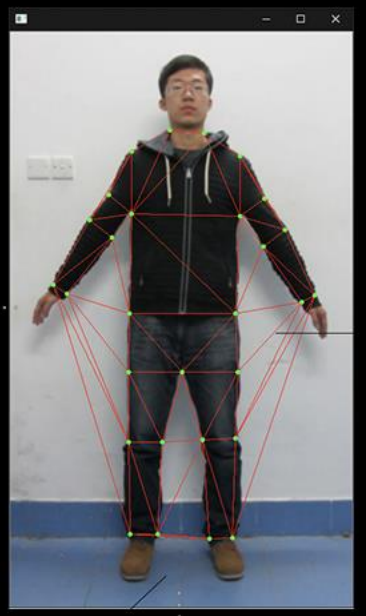










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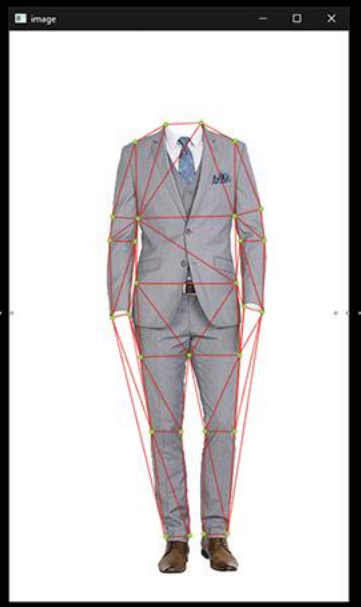
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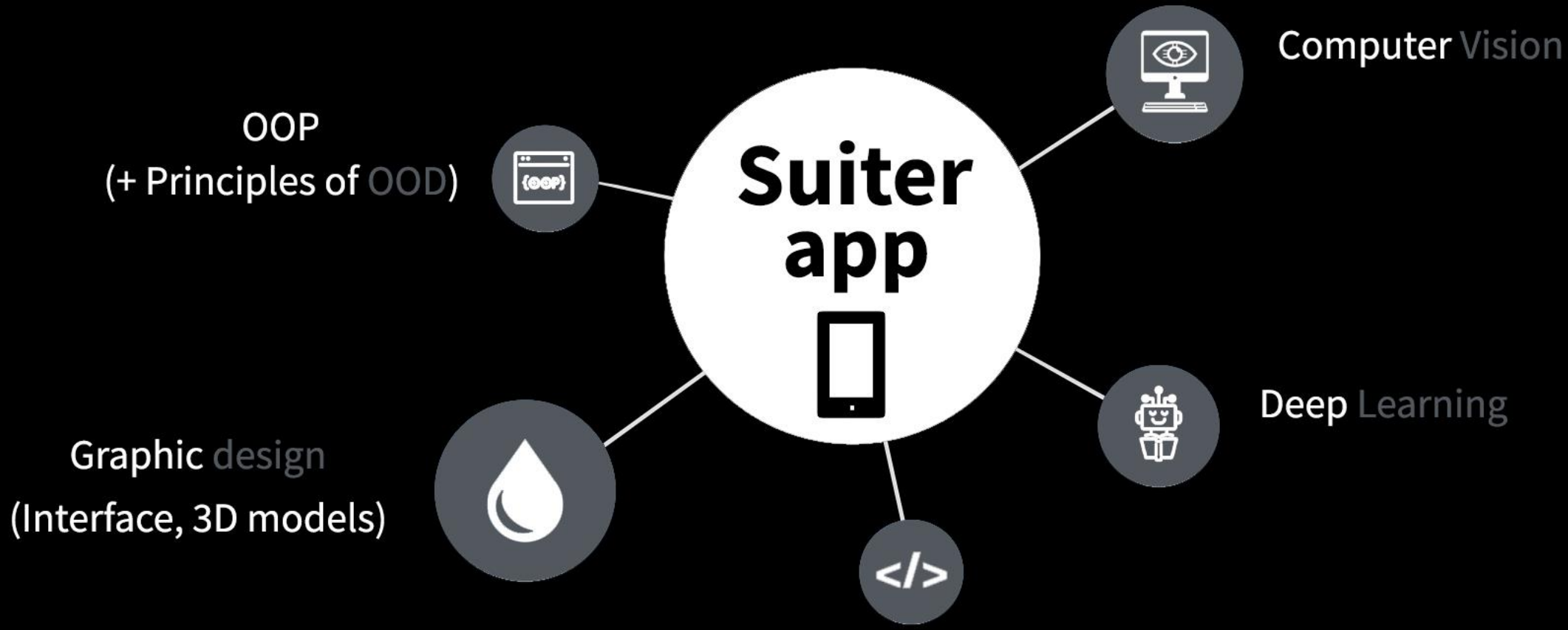
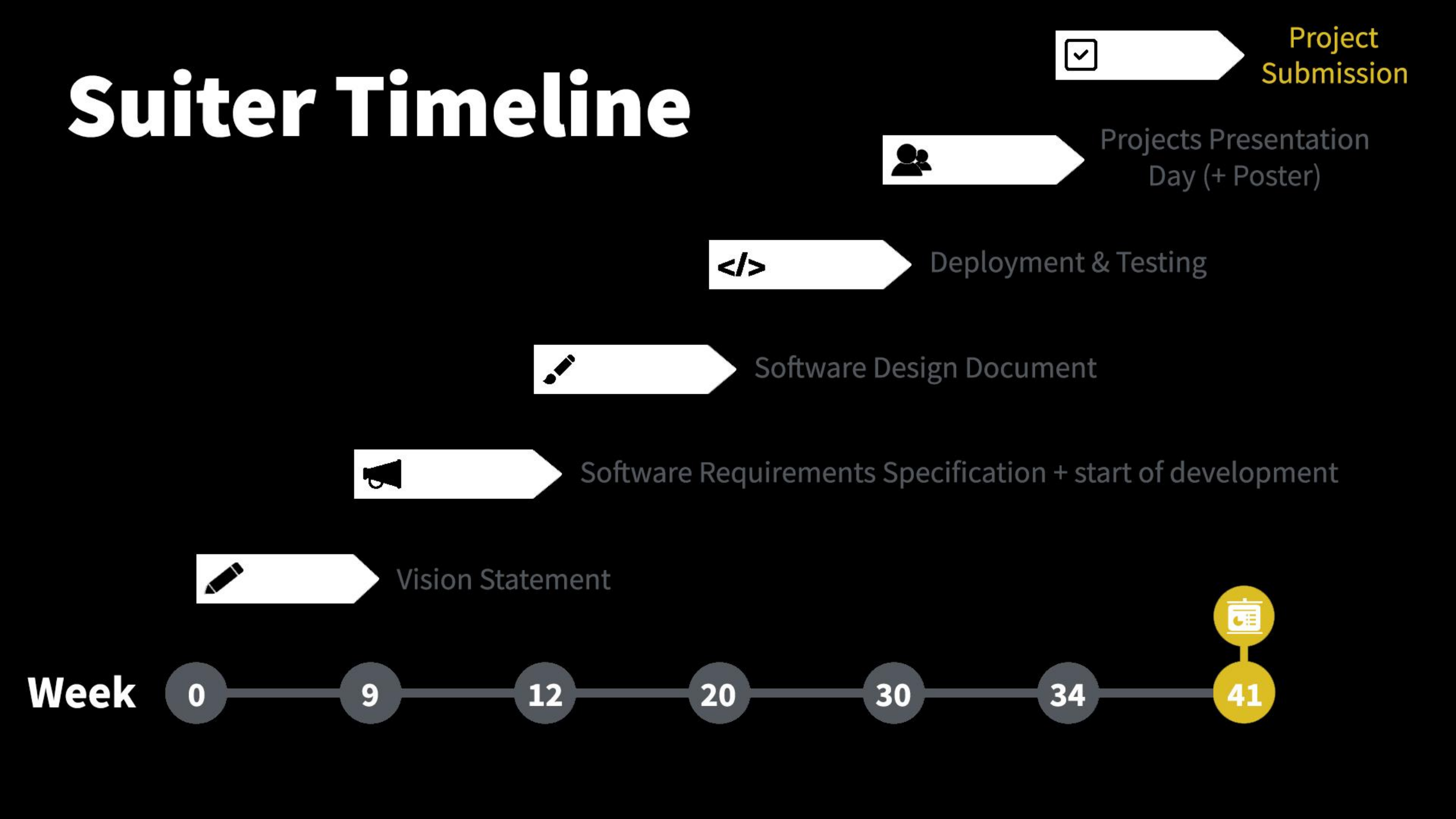
Our realizations:



Suiter Timeline



Question and Answer

Thank you for your time!