

Project Proposal

On

An AR Application for Real Time
Virtual Try-on Experience

Presented by-

MD. FAZLEY RABBI
ID: 1610676104
SESSION: 2015-16

MD. GOLAM MAULA MARUF
ID: 1611076136
SESSION: 2015-16

Supervised by-

MD. TANVIR HOSSAIN
ASSISTANT PROFESSOR.
DEPT. OF CSE
UNIVERSITY OF RAJSHAHI

Scope of the project

- Working on **augmented reality**
- Machine Learning
- Body detection
- Real time motion sensing
- 3D Modeling

Core Objectives



01

PROBLEM & SOLUTION

- Creating a virtual dressing room environment



02

OUR PROCESS

A tracking system for determining position and orientation of the user



03

TARGET

Making an user friendly AR app



04

TARGET

Here you could describe the topic of the section

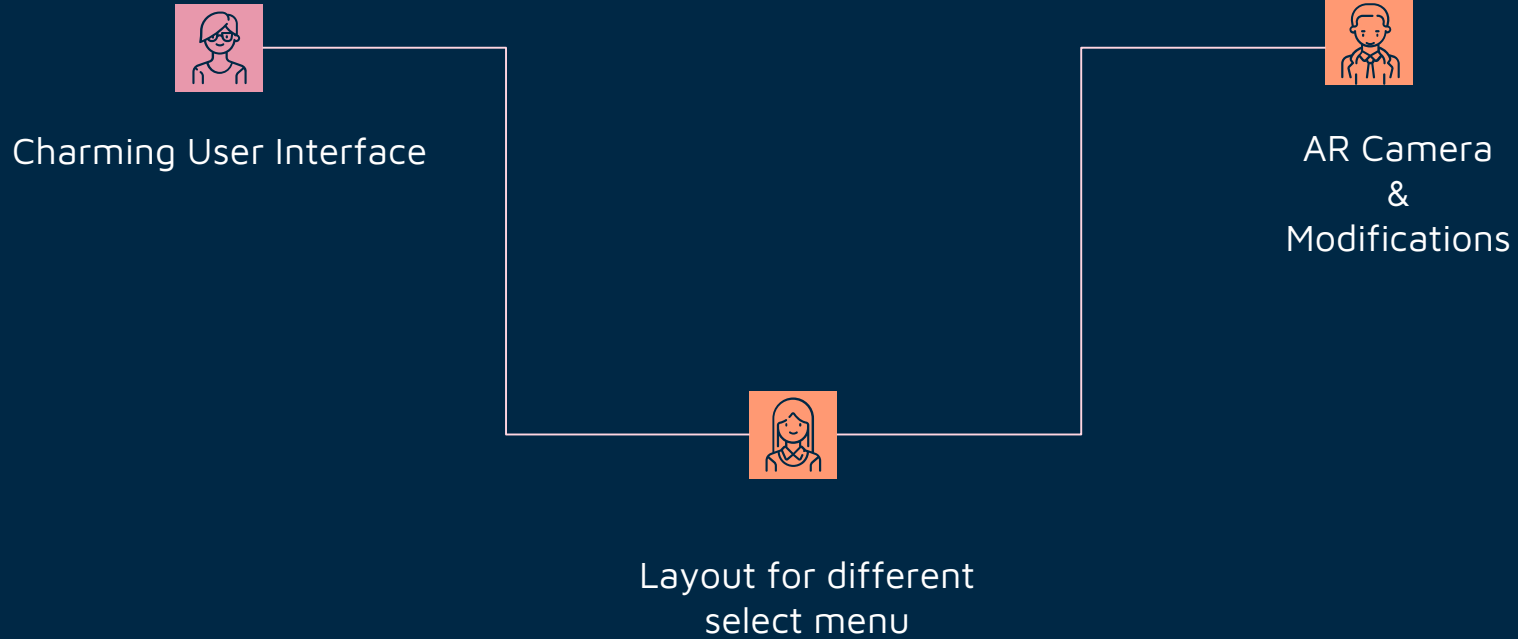
Background Study

- Lack of real time 3D technology to virtually try on clothing on application based platform.
- Lack of ready pre-trained models for the virtual dressing room.
- The minimum physical contact would allow people to enjoy the experience in safety from spreading disease.

Functions of the App

- Very easy to interact UI
- User Selects for various options
- User can use it on both platform (Android & iOS)
- Works on iOS 11.0 and android 8.1 (API 27) or later version of both

Prototype Layout



Select Menu Layout

Wrist Watch

Eye Glasses

Outfits

Shoes

Help

About App

CAMERA VIEW

Illustration of Camera Sensing



Feasibility Study



Technology

Already available on
the market



Device

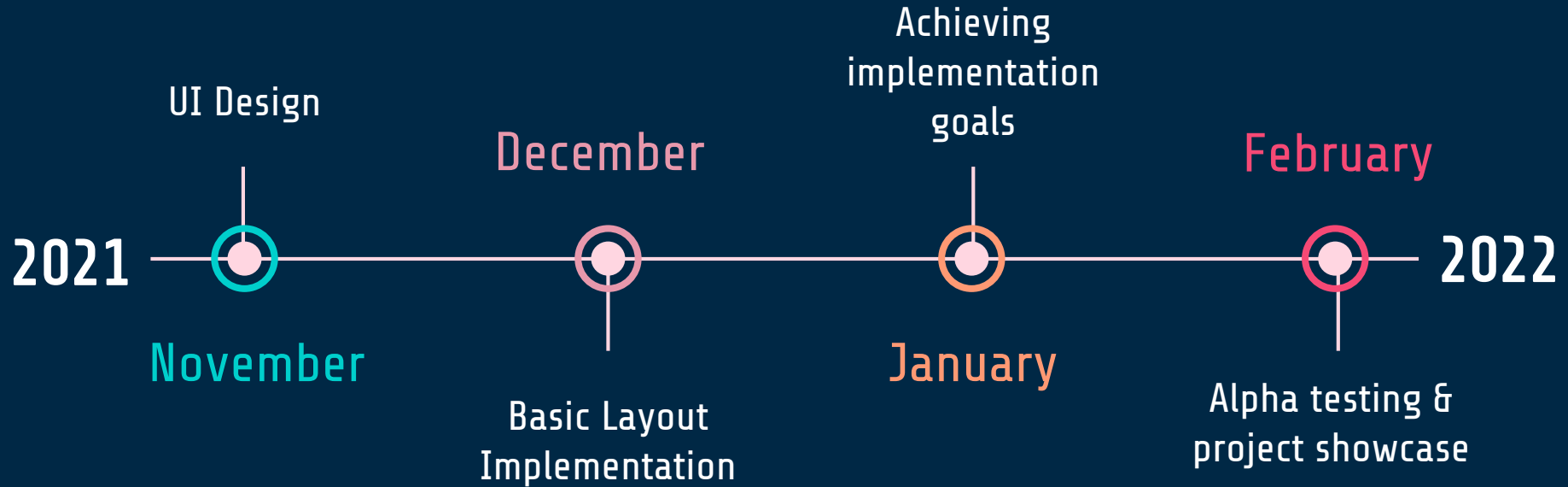
No extra peripheral is
needed



Components

To develop the app
are free

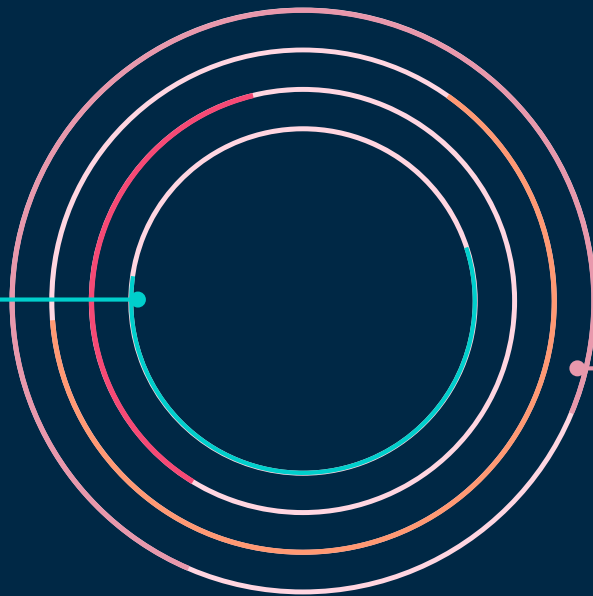
Project Road Map



Shortcomings

We can't use device with
lower level api than the
requirement

API Issues



Sensor Issues

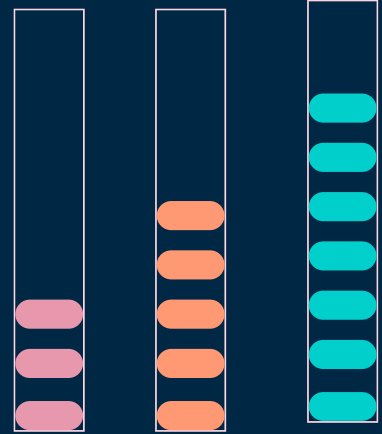
Devices must be
equipped with
accelerometers,
compasses and
gyroscopes

Expected Outcome

- INTERACTIVE & RESPONSIVE USER EXPERIENCE.
 - MULTIPLE OPTIONS FOR CHANGING ATTIRE VIRTUALLY.
 - NO HEALTH ISSUES.
 - LIMITED PHYSICAL INTERACTIONS WITH PEOPLE.
- 

Future Plans

- NAVIGATING THE APP BY USING VOICE COMMAND.
- ADDING WHOLE BODY FEATURES.
- UPLOAD IT ON A MARKETPLACE.



Do you have any
questions?

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THANKS
for your patience.