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**Interacção Pessoa-Máquina**

**2020/2021**

**TMASK**

Stage 2: User and task analysis

Text

Description automatically generated

**Realizado por: Lab class Nº** P2

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September 02, 2020

**Problem**

The human head can have many shapes and feats. Therefore, it is hard to find a hygienic mask that adapt to their unique features.

Most of the masks available do not match our day-to-day clothes or maybe we just need a mask that fits well with a formal attire.

Another relevant aspect that is lacking is the option to make the masks our own, that is, to express ourselves. Whether from adding a single word or phrase to create a work of art.

**Users**

The target demographic consists of anyone that intends on buying a face mask.

Mostly targeted at teenagers, young adults and adults, it is meant to be mainly utilized by any user that feels comfortable around image editing, but can also be utilized by less experienced users, that may just want to browse and search for pre-built designs.

**Tasks**

Task #1 - Take measurements

Goal: Get the user’s measures

Pre-conditions: Have a bendable ruler or a printer

Sub-tasks:

1. Select option “TAKE MEASUREMENTS”

b.1 Print pdf with

b.2. Get a measurement tool

1. Measure the distance from the bridge of your nose to just under your chin
2. Measure the distance between the ears, passing through the chin
3. Record both numbers

Exceptions: None

Frequency of use: Low - this task is usually used when the user first creates an account or if multiples users share the same account

Task #2 - Create a new facial profile

Goal: Create a new profile

Pre-conditions: None

Sub-tasks:

a. Select option “PROFILES”

b. Select “Create a new profile”

b.1. Click on “Import from”

b.1.1. Search for the profile to serve as a base

b.1.2. Click on the profile. The following sub-tasks will have editable options selected as default

b.2. Skip import

c. Select the shape of the face (e.g. round, square, diamond, heart, oval, rectangle...)

d. Take and save measurements (*Task #1*)

e. Select the type and format of the mask

f. Select the number of layers

g. Write an appropriate name for the profile

h. Save the facial profile

Exceptions:

* Empty list of profiles when tried to import
* There is already a profile with the name given

Frequency of use: Low - this task is usually used when the user first creates an account or if multiples users share the same account

Task #3 – Search Product

Goal: Find specific product

Pre-conditions: None

Sub-tasks:

a. Select option “PRODUCTS”

b.1. Scroll until found product

b.2. Search by Tag

b.2.1. Click on field “Search”

b.2.2. Write something (e.g. “SLB”)

c. Chose “Product” by clicking on it

Exceptions:

* Search by Tag returns nothing

Frequency of use: High - this task is used frequently as per the fact that is part of the core functionality

Task #4 – Share your mask design

Goal: Publish Your Mask Design for everyone to see

Pre-conditions: You need to have finished design or being in the last step of the mask design creation process

Sub-tasks:

a. Check “I Want to share this” checkbox.

b.1. Fill the “Tags” field, separated by comma (e.g. “banana, mango, orange”)

b.2. Check “I filled tags” checkbox

c.1. Read “Terms Agreement”

c.2. Check “I Agree to All Terms” checkbox

d. Press “Publish my Mask” button

Exceptions:

* Users may choose not to publish Mask
* The user failed to check all checkboxes which will not allow further publish process

Frequency of use: Low-Medium - this task is used sometimes as per the fact that is part of the Personal choice of the user

Task #5 – Guided Product Build

Goal: Generate a product from preferences

Pre-conditions: Be on landing page, needs a logged account (//TODO: review)

Sub-tasks:

a. Select option "GUIDED\_MASK\_BUILDER"

b.1. Some Button UI options appear

b.2. User selects an option

b.2.1. If user selected skip the guided builder

b.2.1.1. Take user into mask builder

b.2.2. If system has more options, go to b.1

b.2.3. If no more options to display

b.2.3.1. Save preferences and Tags related to the choice

b.2.3.2. Take user into mask builder and load info from guide

Exceptions:

* Skipped
* User not logged in

Frequency of use:

* High for new users, the task is used frequently by users on landing page.
* Normal to Low, registered users will likely skip the builder guide and do manually.

Task #6 – Review your shopping cart

Goal: Interact and review information about the products selected for shopping

Pre-conditions: There must be at least one item in the shopping cart

Sub-Tasks:

a. Select an item in your shopping cart

b.1. Review the information about the chosen product (e.g. price, shape, tags…)

b.2. Edit the chosen product (leave the shopping cart, and redirect to the editor)

b.3 Remove the chosen product from the shopping cart

c.1 Finalize the purchase (will be redirected to the payment options menu)

c.2. Empty the cart, removing all the products

Exceptions: None

Frequency of use: High – for a full usage of the service, the user will always interact with the shopping cart

**Scenarios**

Scenario #1 - Find a matching mask for a dress

Alicia had a beautiful dress, pink and with strass to wear on her prom.

But Due to COVID, she always has to wear a mask when she goes outside.

She looked in her house and found only ugly "medical green" masks.

She looked online and found a website where she found and bought a matching mask.

Scenario #2 – Share your Art

Pedro, the local artist, was looking for a way to show his art and express himself, but due to the COVID fact that there is no way to show it in the gallery or in the usual way, so to show his paintings, he went to the website, and made masks with his pictures and shared them with the people.

Scenario #3 – Jonny spend too much on masks

Jonny is very afraid catch COVID, so he always uses a mask! Luckily for Jonny he found a nice website with masks in different shapes and colours. He chose few masks and even designed only a few himself. He put them on the shopping list, but later found out that he was about to buy too much, so he checked what he was buying.

**Interviews**

//TODO