Some Key Widgets

//Goes to the next screen called Last

```
 MaterialPageRoute route =
        MaterialPageRoute(builder: (BuildContext context) {
      return last();
    });
    Navigator.of(context).push(route);
```

//_Formkey checks if form is validated - usually used inside a button

```
  if (_formKey.currentState.validate() == true) {
                      //Do something
                    }
```

//TextFormField Property checks user input value to validate - always used in the TextFormField

```
                  validator: (String value) {//e.g
if(value.isEmpty) {//Do something}}
```

//Array of type String

```
final List<String> items = [
    "2 pairs of shoes”];
```

//Accessing index 0

```
items[0],
```

https://www.youtube.com/watch?v=KJpkjHGiI5A

https://api.flutter.dev/flutter/widgets/ListView-class.html

//Uses an array, and displays results.

```
    body:  ListView.builder(
  padding: const EdgeInsets.all(8),
  itemCount: items.length,
  itemBuilder: (BuildContext context, int index) {
    return Container(
      height: 50,
     child: Center(child: Text('${items[index]}')),
    );
  }
);
```

//CheckboxListTile generates a word, and a checkBox

https://api.flutter.dev/flutter/material/CheckboxListTile-class.html

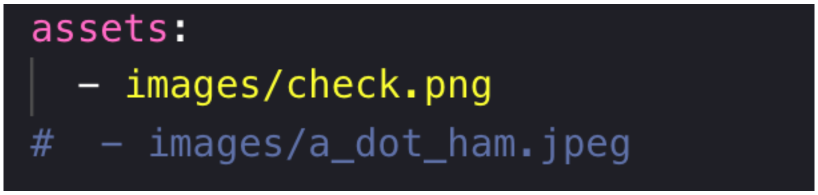
```
 CheckboxListTile(
            title: Text(
              items[i],
              style: TextStyle(color: Colors.brown.shade500),
            ),
            //wether checked or not
            value: !selectedItems.contains(items[i]),
            onChanged: (bool isSelected) {
              //if it's clicked add to list
              //Adds to array
              setState(() {
                //if it doesn't exist in our second array add it
                if (!selectedItems.contains(items[i])) {
                  selectedItems.add(items[i]);
                } else {
                  //
it already exists and therefore is doubled clicked
                  selectedItems.remove(items[i]);
                }
              });
            },
          );
```

//Step1: Adding images?

//Step2: create a folder and and add an image. e.g check.png

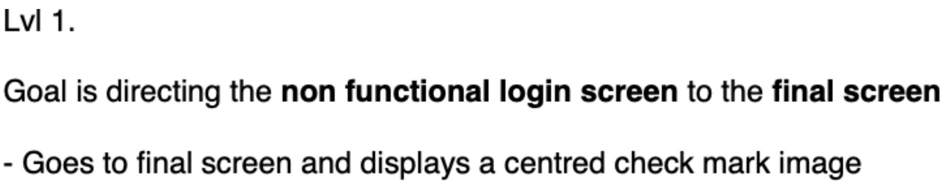
//3: uncomment assets

//It should look like this - if it throws an error, it is a space, case sensitive or does not exist issue



```
assets:
  - images/check.png
#  - images/a_dot_ham.jpeg
```

Level 1

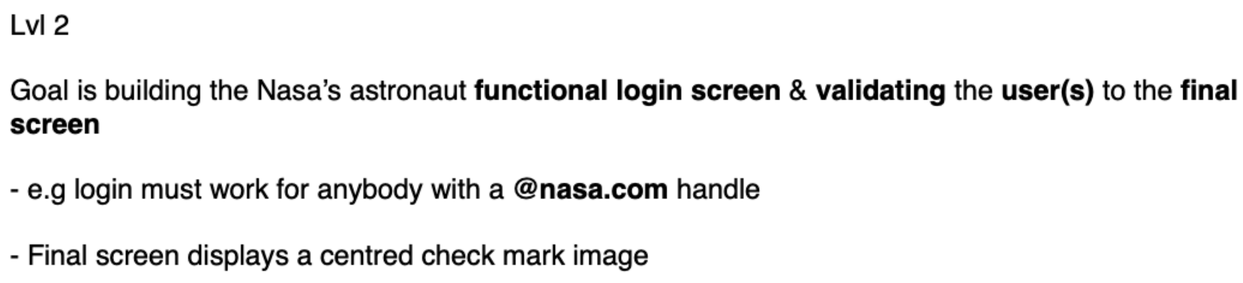


Lvl 1.

Goal is directing the **non functional login screen** to the **final screen**

- Goes to final screen and displays a centred check mark image

Level 2

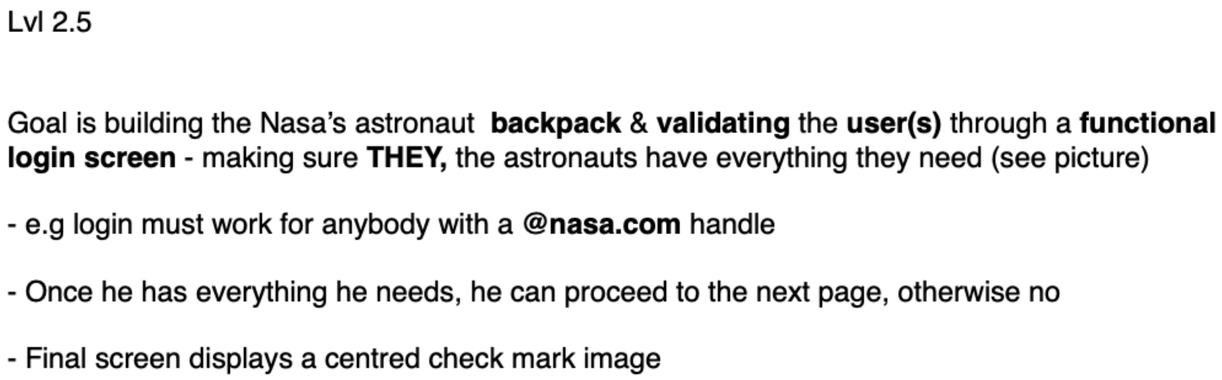


Lvl 2

Goal is building the Nasa's astronaut **functional login screen** & **validating** the **user(s)** to the **final screen**

- e.g login must work for anybody with a **@nasa.com** handle

- Final screen displays a centred check mark image



Lvl 2.5

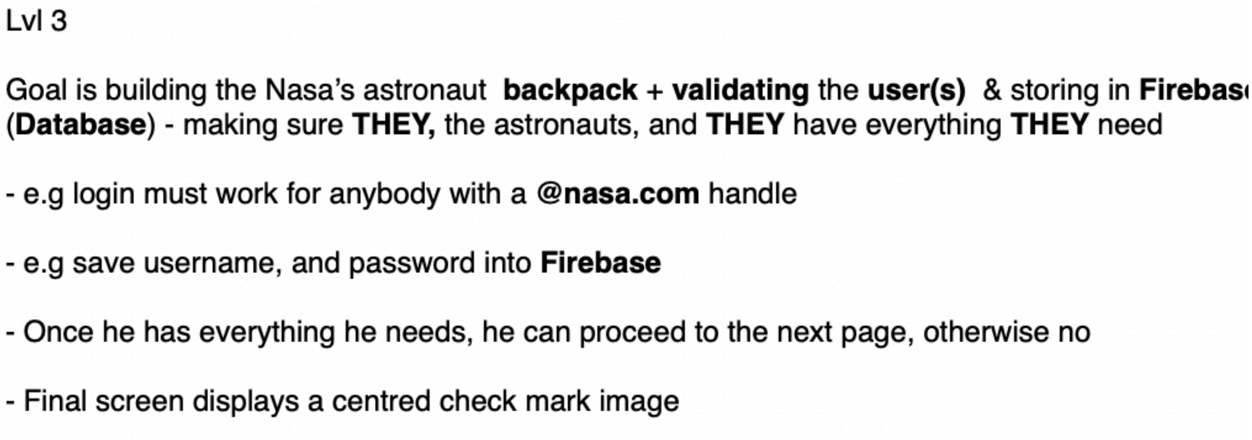
Goal is building the Nasa’s astronaut **backpack** & **validating** the **user(s)** through a **functional login screen** - making sure **THEY,** the astronauts have everything they need (see picture)

- e.g login must work for anybody with a **@nasa.com** handle

- Once he has everything he needs, he can proceed to the next page, otherwise no

- Final screen displays a centred check mark image

Level 3



Lvl 3

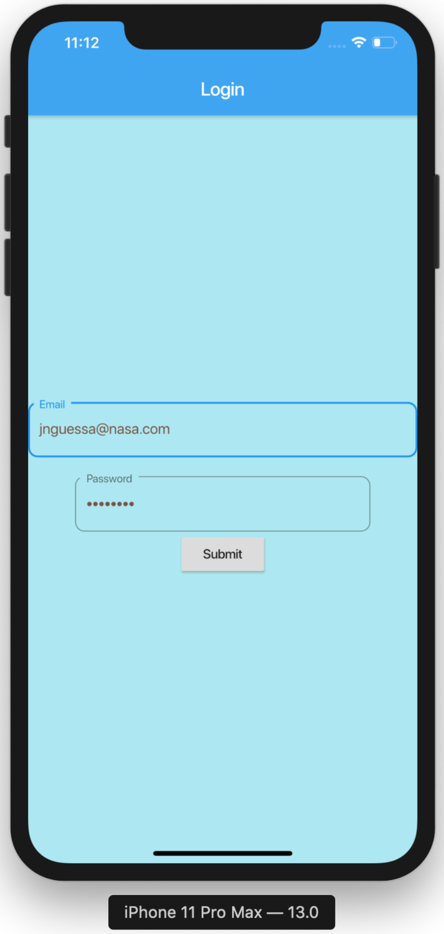
Goal is building the Nasa’s astronaut **backpack** + **validating** the **user(s)** & storing in **Firebas** (**Database**) - making sure **THEY,** the astronauts, and **THEY** have everything **THEY** need

- e.g login must work for anybody with a **@nasa.com** handle

- e.g save username, and password into **Firebase**

- Once he has everything he needs, he can proceed to the next page, otherwise no

- Final screen displays a centred check mark image



11:12

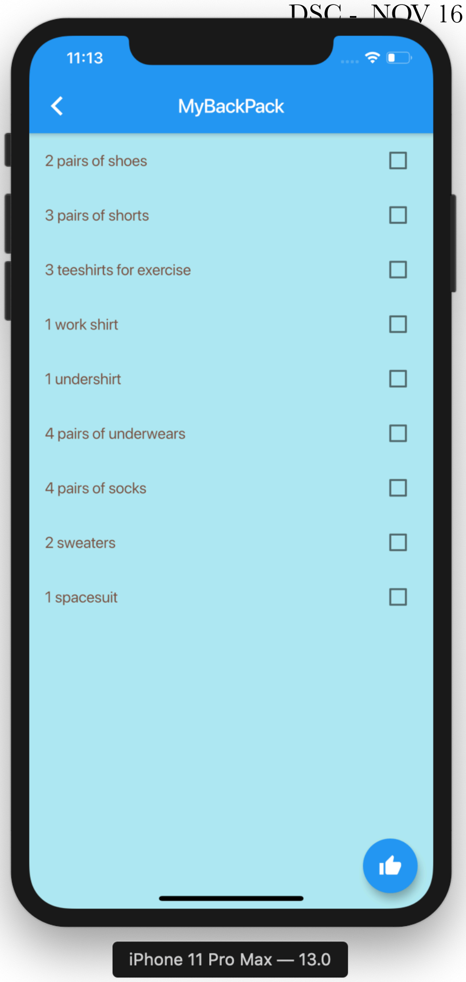
Login

Email: jnguessa@nasa.com

Password: ••••••••

Submit

iPhone 11 Pro Max — 13.0

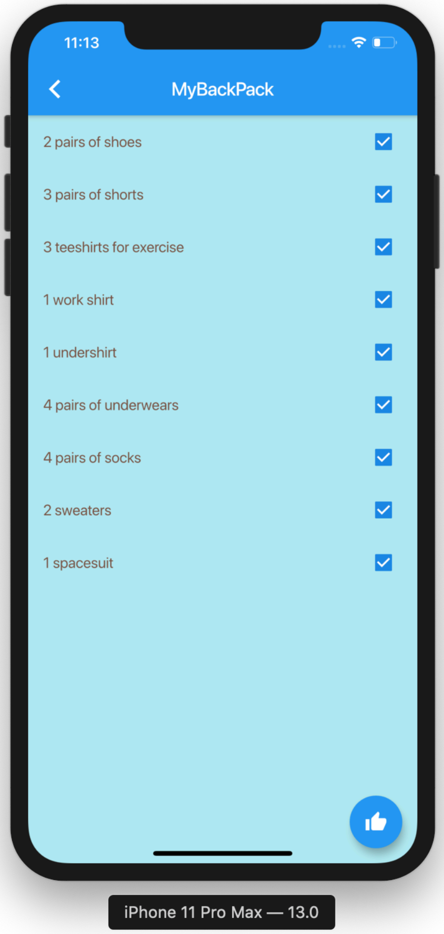


11:13

MyBackPack

- 2 pairs of shoes ☐
- 3 pairs of shorts ☐
- 3 teeshirts for exercise ☐
- 1 work shirt ☐
- 1 undershirt ☐
- 4 pairs of underwears ☐
- 4 pairs of socks ☐
- 2 sweaters ☐
- 1 spacesuit ☐

iPhone 11 Pro Max — 13.0

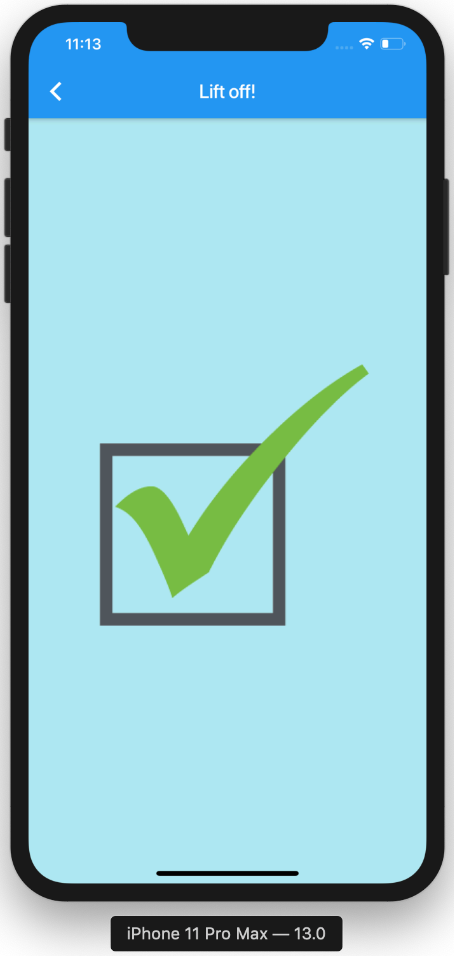


11:13

MyBackPack

- 2 pairs of shoes ☑
- 3 pairs of shorts ☑
- 3 teeshirts for exercise ☑
- 1 work shirt ☑
- 1 undershirt ☑
- 4 pairs of underwears ☑
- 4 pairs of socks ☑
- 2 sweaters ☑
- 1 spacesuit ☑

iPhone 11 Pro Max — 13.0



11:13

Lift off!

iPhone 11 Pro Max — 13.0