



Conception Solution Embarquée





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A decorative graphic on the left side of the slide. It features a large cyan hexagon in the center. Surrounding it are several smaller hexagons in various shades of blue and cyan. Some of these hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, and a gear. There is also a network-like icon with a central node and radiating lines. The entire graphic is set against a dark blue background.

I

Concept



Concept

Jouer avec des amis

Lancer franc

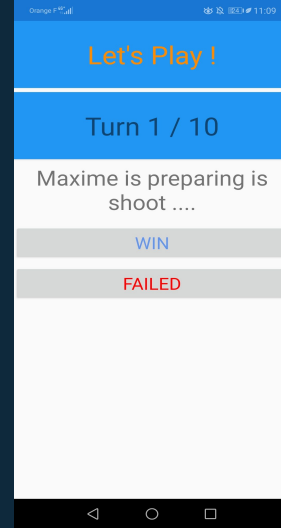
Nombre de lancer limiter



Concept



Panier de basket



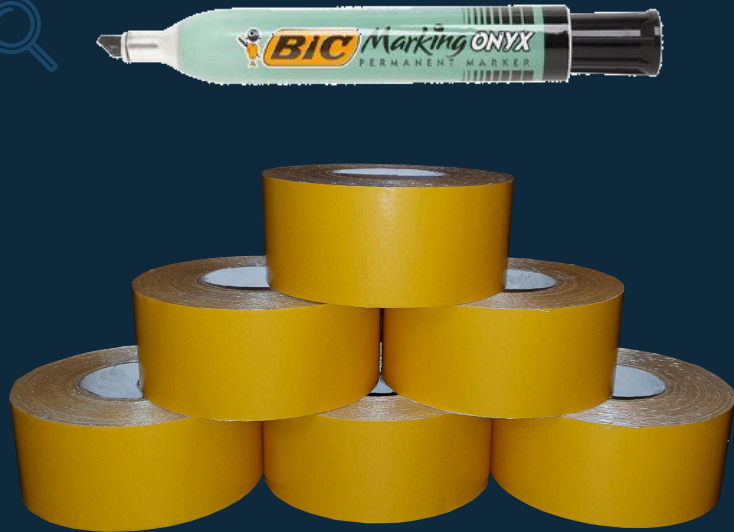
L'application mobile

A decorative graphic on the left side of the slide. It features a large cyan hexagon in the center with the Roman numeral 'II' inside. Surrounding this central hexagon are several smaller hexagons of varying shades of blue and cyan. Some of these smaller hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, and a gear. There is also a network-like icon with a central node and radiating lines, and a speech bubble icon.

II

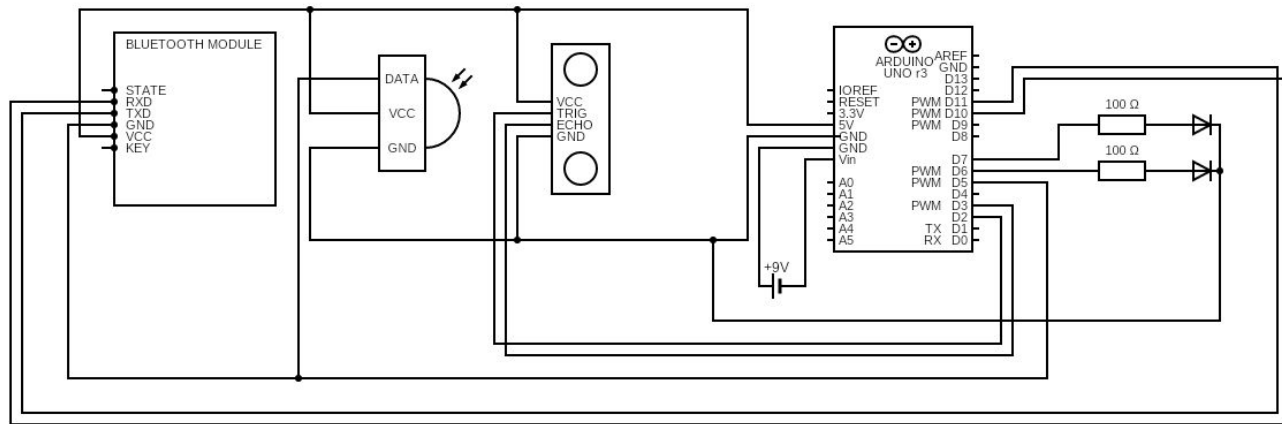
Le panneau de basket

Le panneau de basket



Les matériaux utilisés pour le prototype

Le panneau de basket



Architecture de notre système embarqué

Le panneau de basket

Une petite démo ?



A decorative graphic on the left side of the slide. It features a large cyan hexagon in the center containing the Roman numeral 'III'. Surrounding this central hexagon are several smaller hexagons of varying shades of blue and cyan. Some of these smaller hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, and a gear. There is also a network-like icon with a central node and several smaller nodes connected by lines. The entire graphic is set against a dark blue background.

III

Notre application



Notre application



Xamarin





Notre application

```
UUID uuid = UUID.FromString(_device.GetUuids()[0].Uuid.ToString());
_bthSocket = _device.CreateRfcommSocketToServiceRecord(uuid);
if (_bthSocket != null)
{
    await _bthSocket.ConnectAsync();

    if (_bthSocket.IsConnected)
    {
        System.Diagnostics.Debug.WriteLine(_bthSocket.IsConnected);
        System.Diagnostics.Debug.WriteLine("Connecté");
    }
}
```

```
while (!gotResponse)
{
    Array.Clear(receive, 0, receive.Length);
    _bthSocket.InputStream.Read(receive, 0, receive.Length);
    msg += Encoding.ASCII.GetString(receive);
    if (msg.ToUpper().Contains("SCORE +1"))
    {
        gotResponse = true;
    }
}
```



A decorative graphic on the left side of the slide. It features a large cyan hexagon in the center containing the Roman numeral 'IV'. Surrounding this central hexagon are several smaller hexagons of varying shades of blue and cyan. Some of these smaller hexagons contain white icons: a lightbulb, a thumbs-up gesture, a smartphone, a magnifying glass, and a gear. There is also a network-like icon with a central node and radiating lines. The entire graphic is set against a dark blue background.

IV

Conclusion



Merci !

Des questions ?

