Dependencies

```
dependencies:
                                -
flu tter:
                               sdk
: flutter
                                -
cup ert ino _icons: ^0.1.2
                                -
eng lis h_w ords: ^3.1.5
=> entries can be addded through
adding DEPEDE NCY _NAME: VERSIoN
```

Stateful Widget

```
class BasePage extends
StatefulWidget {
    Sta te< Sta tef ulW idg et>
create State() {
        return _BaseP age Sta -
te();
   }
}
class _BaseP age State extends
State< Bas ePa ge> {
   int _value = 0;

   void _incre ment() {
        set Sta te(() {
            _va lue++;
       });
   }
}
```

StatefulWidget are all the widget that interally have a dynamic value that can change during usage.

Infinite Scrolling View

```
Widget _buildSuggestions() {
    return ListVi ew.b ui lder(
            pad ding: const
EdgeIn set s.a ll( 16.0),
            ite mBu il1der: /
(context, i) {
                if (i.isOdd)
return Divider(); /2/
                 final index = i
~/ 2; /3/
                if (index >=
_sugge sti ons.le ngth) {
                    _su gge -
sti ons.ad dAl l(g ene rat eWo -
rdP air s().ta ke( 10)); /4/
                }
                 return _build -
Row (_s ugg est ion s[i ndex]);
            });
}
```

After reaching the of the list 10 more word pairings are generated

Adding Interactivity

```
onTap: () {
            set Sta te(() {
                if (alrea dyS -
aved) {
                    _sa ved.re -
mov e(p air);
                } else {
                    _sa ved.ad -
d(p air);
                }
            });
       },
```

onTap is added to the list so it can be interacted with

Theme

```
theme: ThemeData(
                pri mar yColor:
Colors.white,
           ),
```

Used to change the theme color

Navigation

```
Navigator.pushReplacement(
                                -
    con text,
                                -
    Mat eri alP age Route(
                                -
        bui lder: (Build Context
context) => Class(
                                -
                    param:
value,
                                -
                ),
                                -
   )),
```

Pushed a new page without being able to go back

Navigation

```
Navigator.push(
                                -
    con text,
                                -
    Mat eri alP age Route(
                                -
        bui lder: (Build Context
context) => Class(
                                -
                    param:
value,
                                -
                ),
                                -
   )),
```

Pushes a new page but it's still possible to go back

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