

Dependencies

```
dependencies:
  -
  flu tter:
    sdk
  : flutter
  -
  cup ert ino _icons: ^0.1.2
  -
  eng lis h_w ords: ^3.1.5
  => entries can be added 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 internally 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 iLder: /
    (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