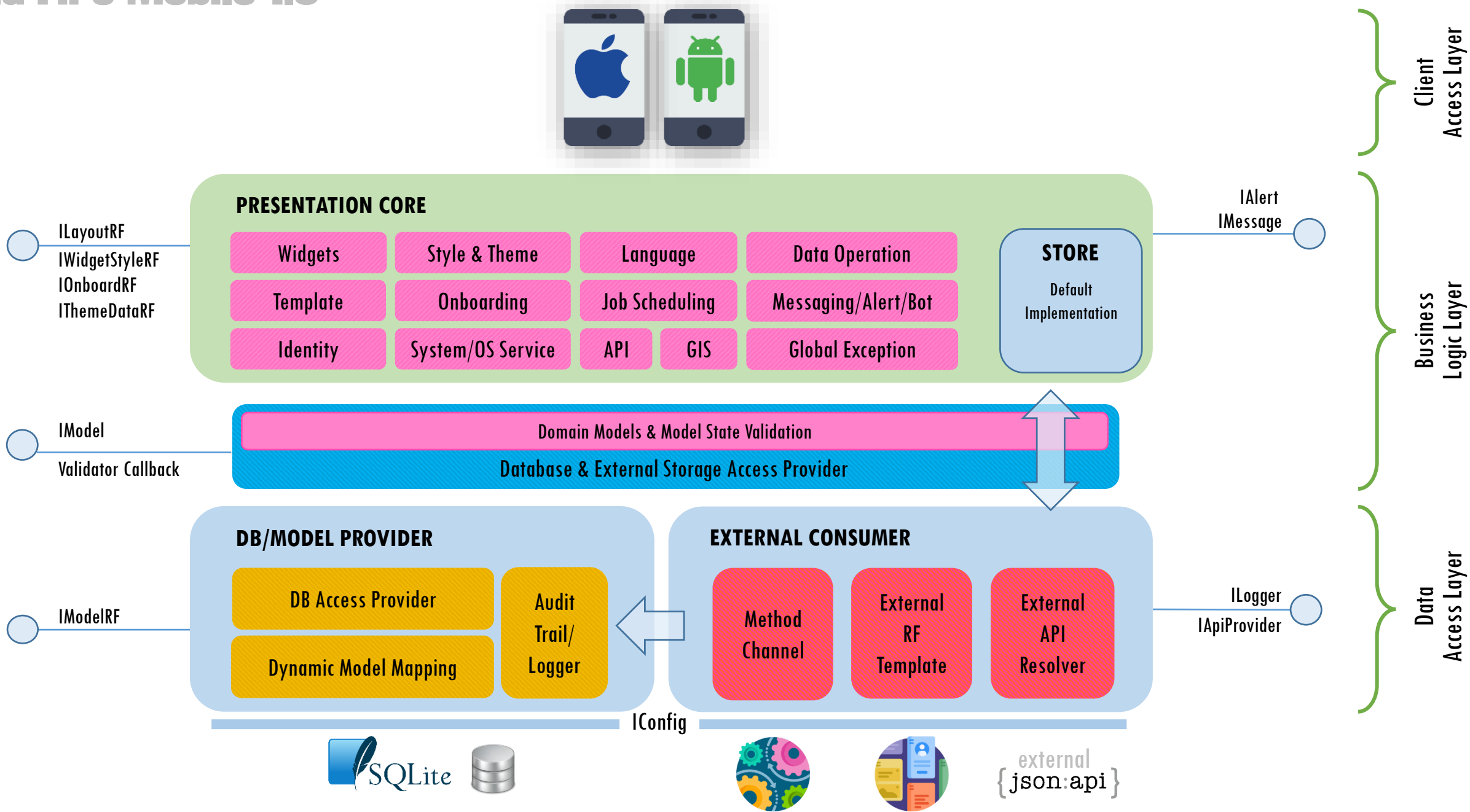
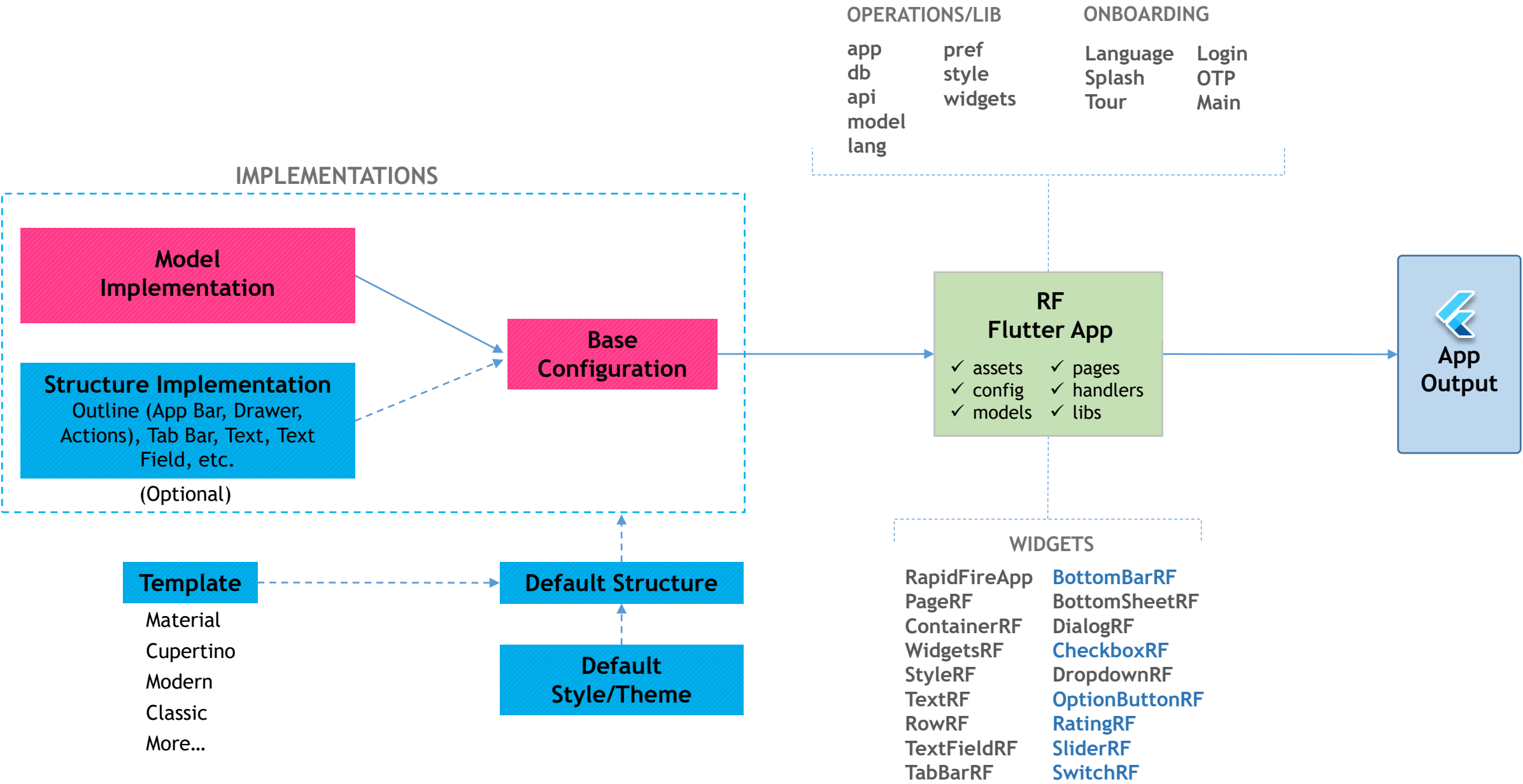


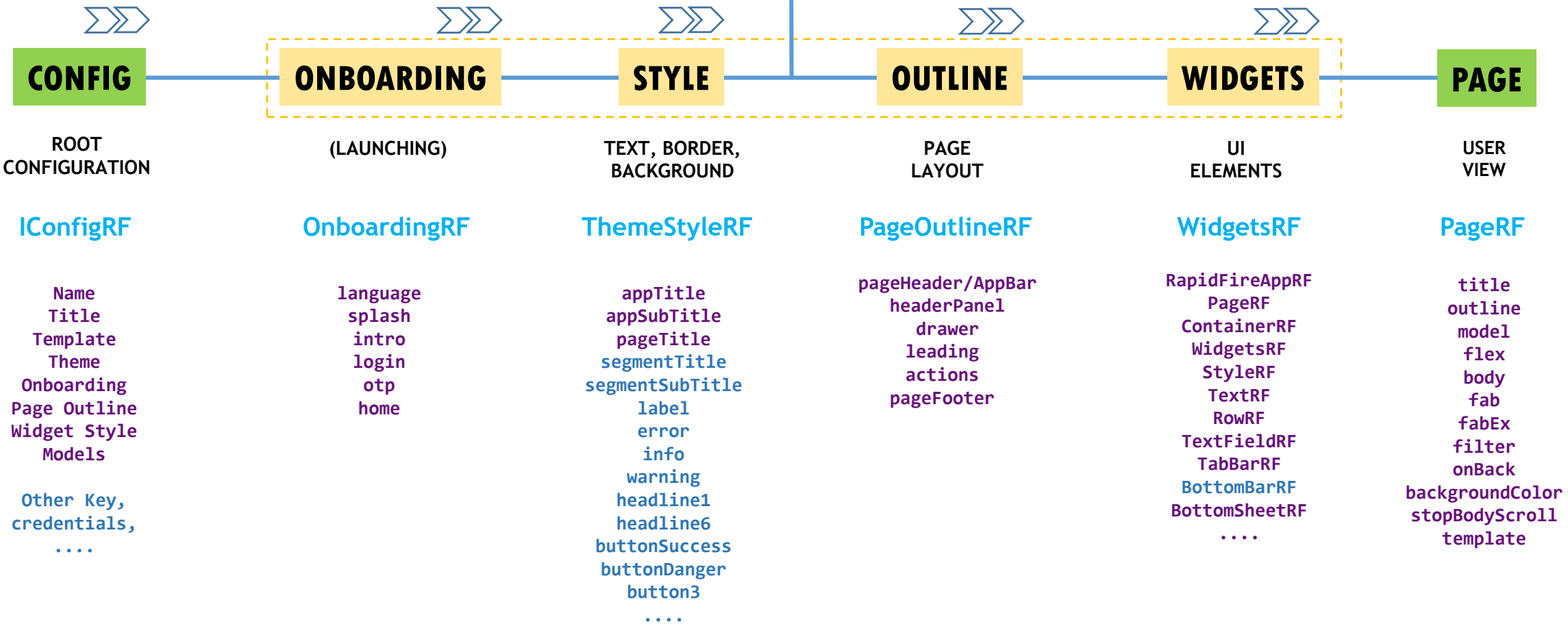
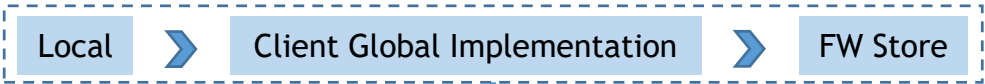
Rapid Fire Mobile 1.0

ARCHITECTURE

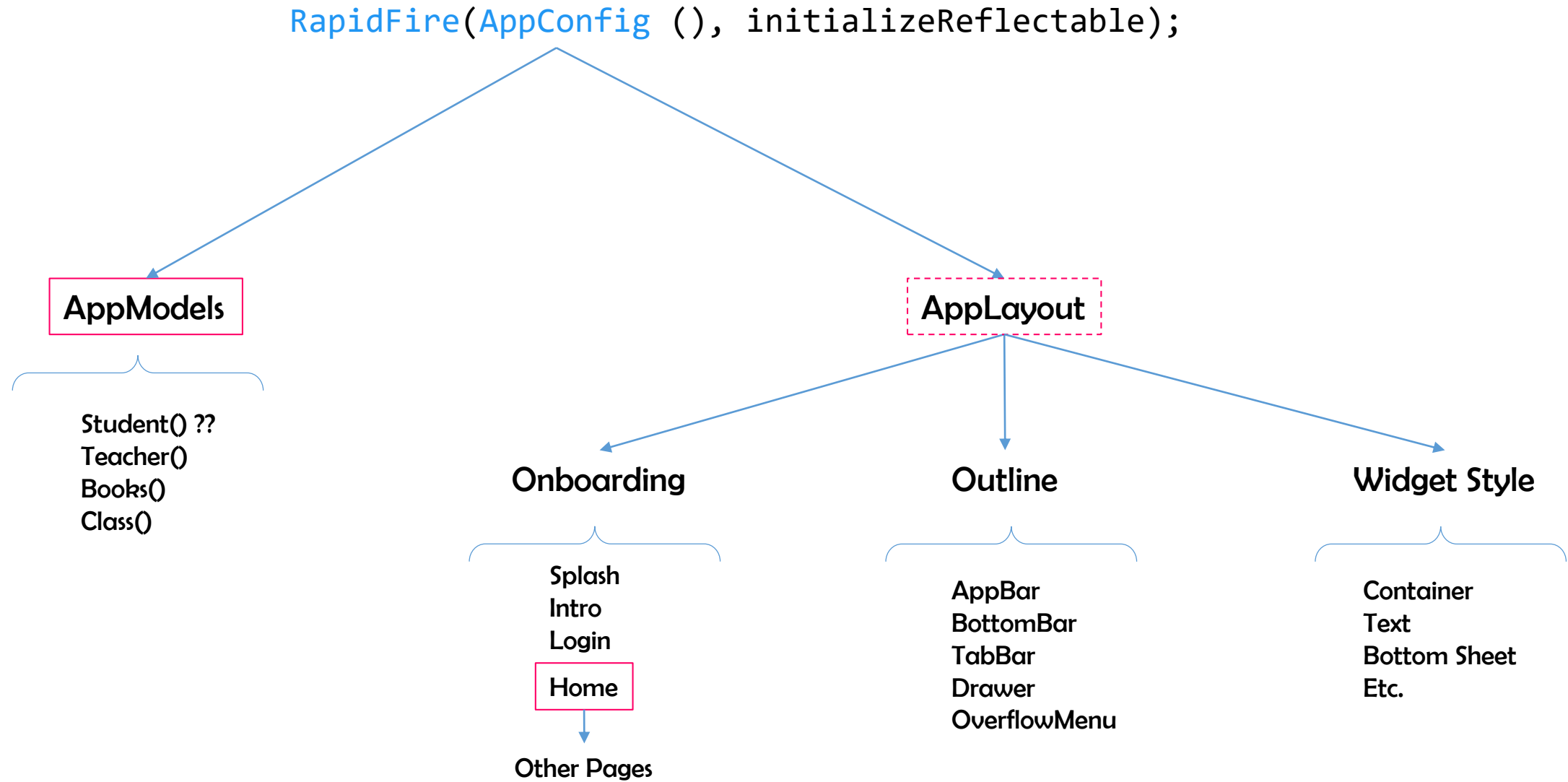


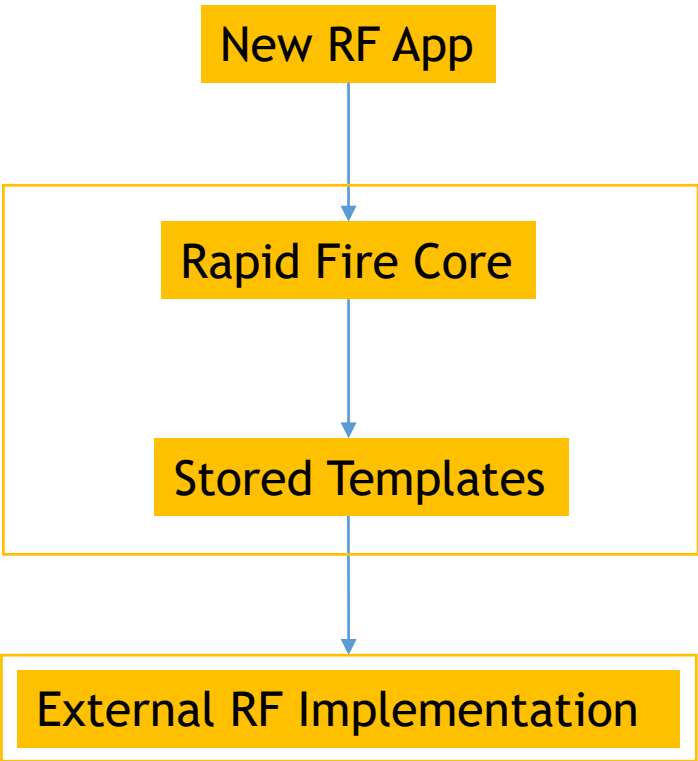


Material, Cupertino, Modern, Classic, External..



--- OPTIONAL





pubspec.yaml

```
dependencies:  
  rapidfire: 1.0  
  rapidfire-session-meeting: 1.0  
  rapidfire-ecom: 1.0  
  rapidfire-lms: 1.0
```

```
TemplateRF {  
  TemplateNameRF name;  
  String version;  
  StyleRF style;  
  dynamic directives;  
}
```

Minimum

```
void configure(Configuration _configuration) {
    _configuration.app.title = "RapidFire";
    _configuration.app.subTitle = "SubTitle";
    _configuration.model.appModels = AppModels();
}
```



```
class AppModels implements IModelRF {
    @override
    void register(Models models) {
        models.add(
            ModelRF(
                model: Student(),
                fetchDependencies: [Subject],
                displayIcon: null,
                displayName: null,
                fetchIncludeChild: true,
                syncStatusField: 'SyncStatus',
                fetchDependencyCallback: null
            ),
        );
    }
}
```



Maximum

```
void configure(Configuration _configuration) {
    _configuration.model.appModels = AppModels();
    _configuration.model.validators = [ModelValidator.isDataSyncd];

    _configuration.app.title = "RapidFire";
    _configuration.app.subTitle = "Mobile development framework";
    _configuration.app.template = TemplateRF(TemplateNameRF.modern, version: 'Oval');
    _configuration.app.themeData = AppLayout();
    _configuration.app.theme = ThemeRF(
        appTitle: StyleRF(color: Colors.blue, size: 35, weight: FontWeight.bold),
        appSubTitle:
            StyleRF(color: Colors.green, size: 22, weight: FontWeight.bold),
    );
    _configuration.app.pageOutline = AppLayout();
    _configuration.app.widgetStyle = StyleStoreDefaults(everything: AppLayout());
    _configuration.app.onboard = AppLayout();

    _configuration.db.name = "RFDB";
    _configuration.db.virsion = 2;

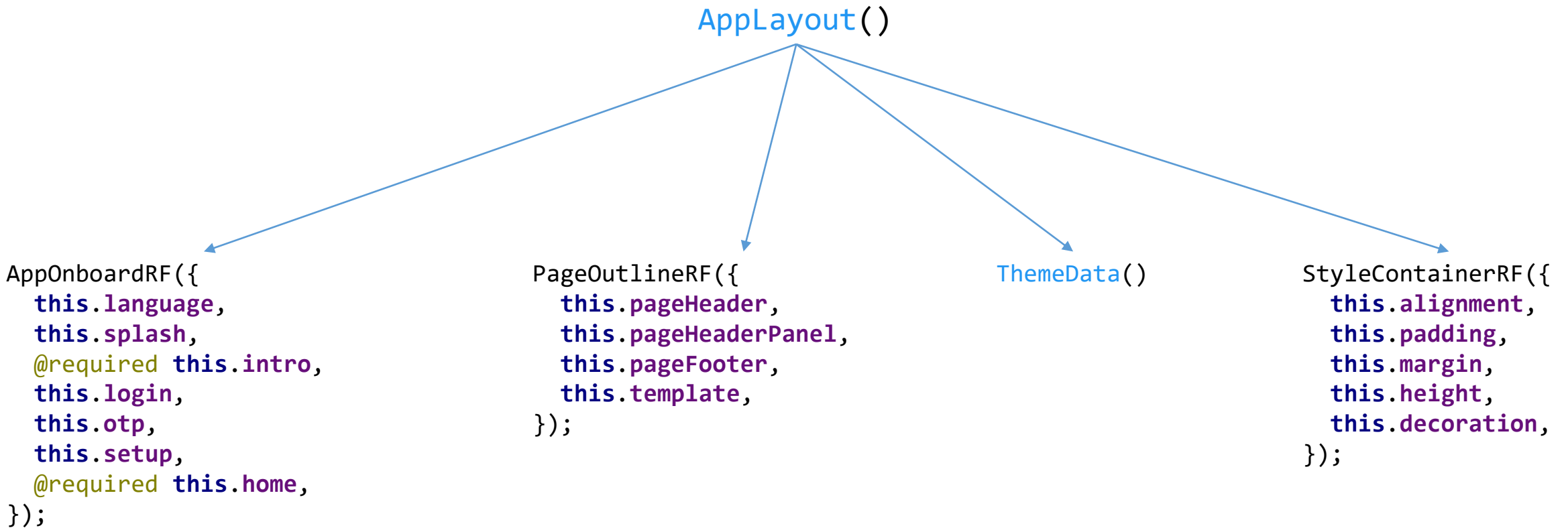
    _configuration.page.transition = TransitionTypeRF.leftToRight;
    _configuration.page.scrollEffect = ScrollEffectRF.elastic;

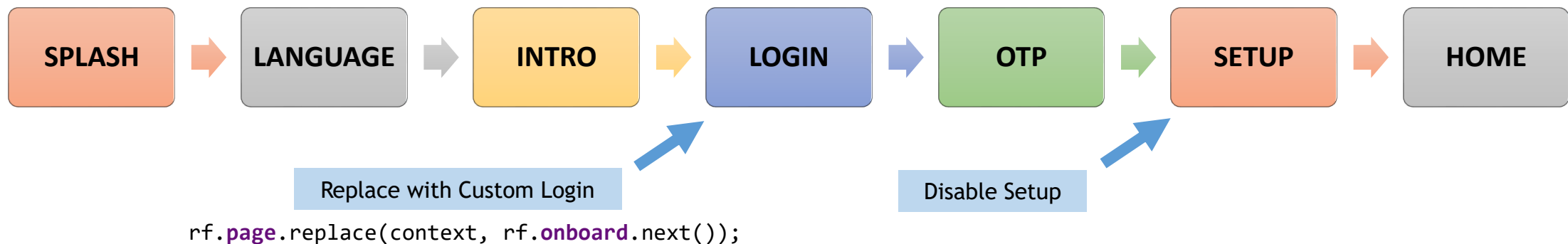
    _configuration.data.pageSize = 15;
    _configuration.data.downloadLimit = '3 Months';

    _configuration.messaging.firebase/account = 2123;
    _configuration.messaging.sms/httpClient = 2123;
    _configuration.map.key/account = 2123;

    _configuration.app.IsSAAS = true;

    _configuration.ui.alterStockItems = StockRF(outline: Outline(drawer:InsertRF(item, 1)));
}
```





Minimum

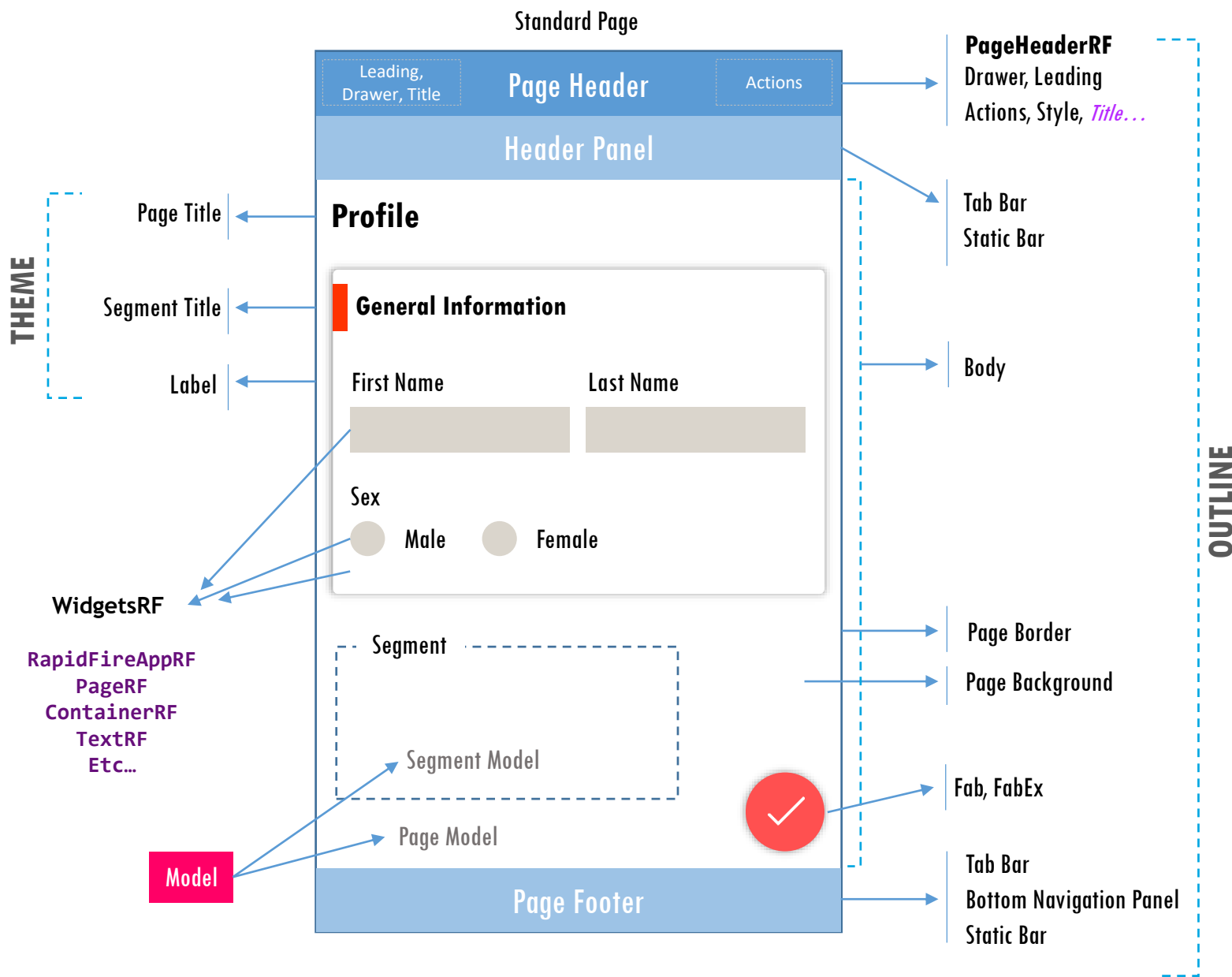
```
@override
AppOnboardRF customOnboard() {
    return AppOnboardRF(home: Home())
}
```

Maximum

```
@override
AppOnboardRF customOnboard() {
    return AppOnboardRF(
        splash: SplashRF(duration: 10, rippleColor: Colors.blue),
        language: null,
        intro: introItems,
        login: MyLogin(),
        otp: EmptyRF(),
        setup: EmptyRF(),
        home: Home(),
    );
}
```

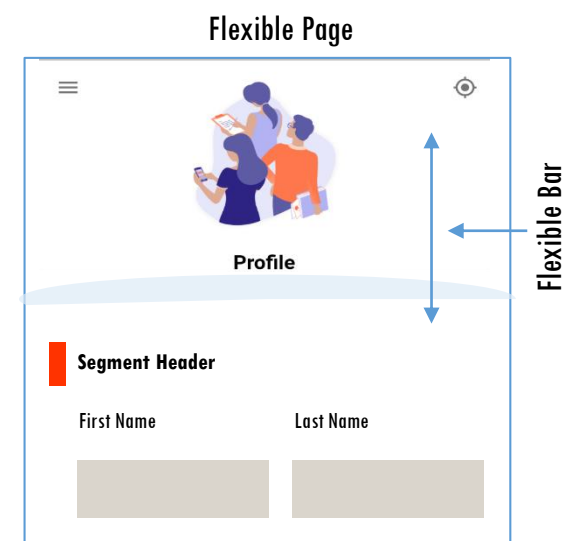
SplashRF({
 title,
 subTitle,
 color,
 font,
 titleColor,
 subTitleColor,
 rippleColor,
 rippleImagePath,
 orgLogoPath,
 duration = 5,
});

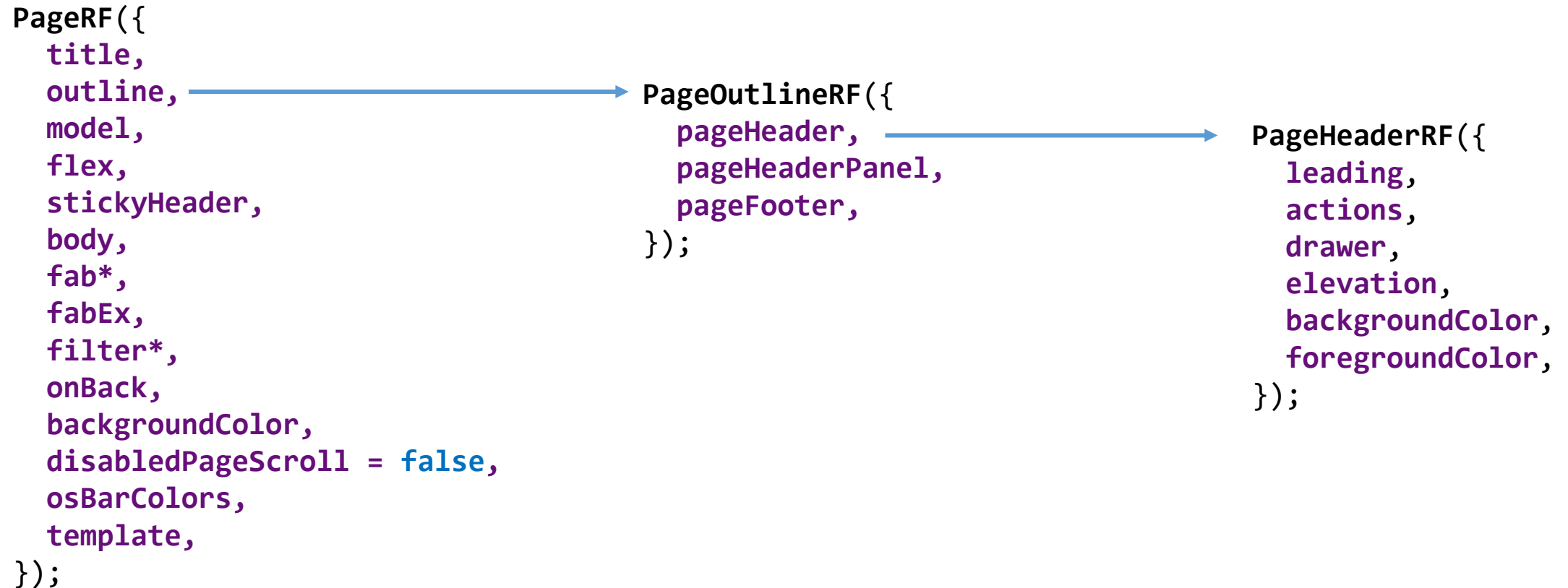
ThemeRF
appTitle
appSubTitle
pageTitle
segmentTitle
segmentSubTitle
label
error
info
warning
headline1
headline6
buttonSuccess
buttonDanger
button3



RapidFireAppRF
PageRF
ContainerRF
TextRF
Etc...

PageRF
title
outline
model
flex
body
fab
fabEx
filter
onBack
backgroundColor
stopBodyScroll
template







< `tb.moveBefore()` > `tb.moveAfter()`

Step 1

```
@override
void initState() {
  TabBuilderRF tb = TabBuilderRF(
    tickerProvider: this,
    tabBuilder: (selected) {
      return [
        Tab(child: TabDesignerRF(0, selected, label: 'Options ${1}')),
        Tab(child: TabDesignerRF(1, selected, label: 'Options ${2}')),
        Tab(child: TabDesignerRF(2, selected, label: 'Options ${3}')),
        Tab(child: TabDesignerRF(3, selected, label: 'Options ${4}')),
        Tab(child: TabDesignerRF(4, selected, label: 'Options ${5}'))
      ];
    },
    views: [Text('Option 1'), Text('Option 2'), Text('Option 3'), Text('Option 4'), Text('Option 5')],
  );
}
```

```
TabDesignerRF(
  this.index,
  this.selected, {
  this.label,
  this.icon,
  this.decoration,
});
```

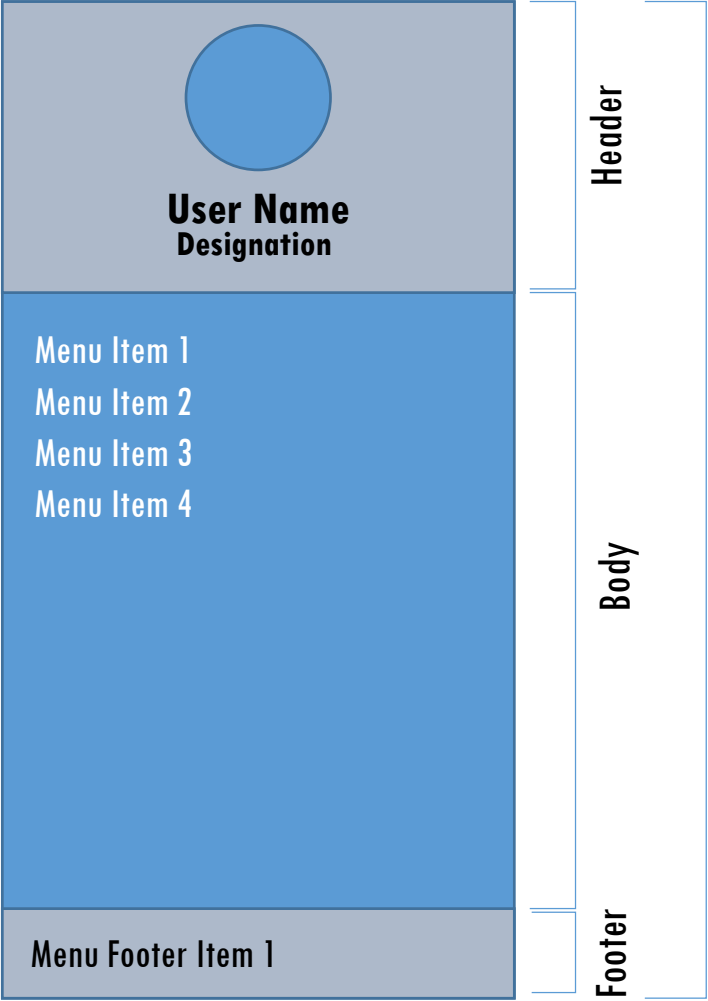
Or

STORE

```
StoreRF.scaffold().widgets.tabBar
  .getStyle(widget.index,
    widget.selected, label:
      widget.label)
```

Step 2

```
@override
Widget build(BuildContext context) {
  return PageRF(
    title: 'My Page',
    outline: PageOutlineRF(pageHeaderPanel: TabBarRF(tab: tb),
      pageFooter: PageOutlineRF(pageHeaderPanel: TabBarRF(tab: tb),
        body: PageOutlineRF(pageHeaderPanel: TabBarRF(view: tb),
          )
    )
  );
}
```



```
DrawerRF({
  this.menuHeader,
  this.menuBody,
  this.menuFooter,
  this.pageBuilder,
  this.background,
  this.clipper,
  this.headerInfoDefaultType = DrawerHeaderInfoDefaultType.user/app,
  this.template,
});
```

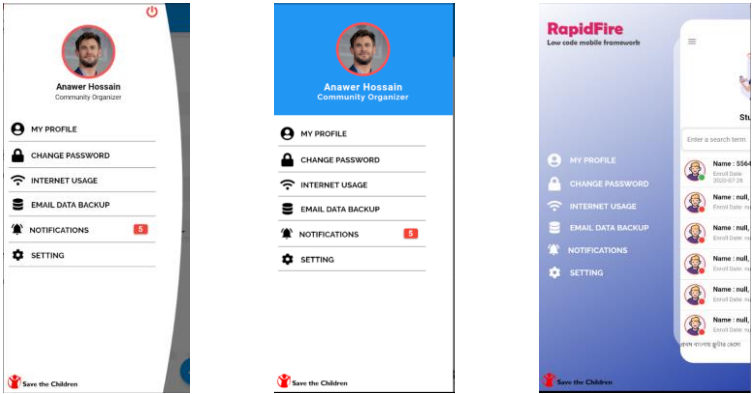
```
DrawerHeaderItemsRF()
DrawerItemRF()
```



Flutter Regular Widgets like Container()

OR

```
DrawerRF (
  Header = null THEN STORE HEADER (T)
  Body = null THEN STORE BODY (T)
  Footer = null THEN STORE FOOTER (T)
  Clipper = null THEN STORE CLIPPER (T)
  Template = null THEN STORE DEFAULT TEMPLATE
)
```



```
var dataSource = DataSourceRF(itemList: List<Student>(), sql: 'select *');
```

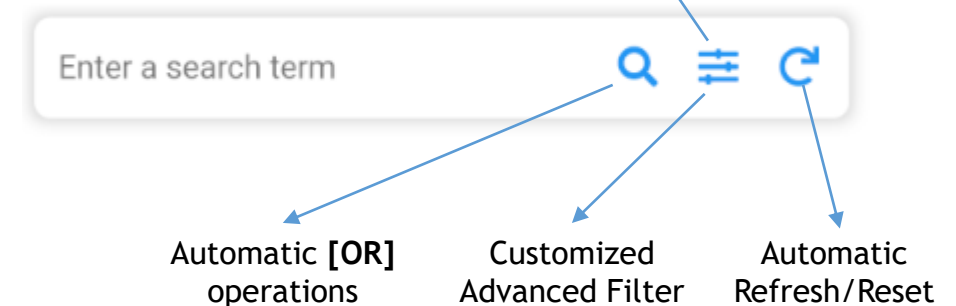
```
ListViewRF(  
  dataSource: dataSource,  
  builder: (model, index) {  
    model = model as Student;  
    return CardRF();  
  },  
  onTap: (model) {  
    rf.page.call(context, StudentEntry(model.StudentId), refresh: true);  
  },  
)
```

```
FilterRF(  
  dataSource: dataSource,  
  onAdvanceFilter: () {  
    DialogRF(  
      context,  
      title: 'Student Filters',  
      body: filterUI(),  
      type: DialogType.full/popup/bottom,  
    );  
  },  
)
```

	Name : 55645, ID : 25 Enroll Date: 2020-07-28 Time : 12 PM	
	Name : null, ID : 24 Enroll Date: null Time : 12 PM	
	Name : null, ID : 9 Enroll Date: null Time : 12 PM	
	Name : null, ID : 3 Enroll Date: null Time : 12 PM	

DataSourceRF

1. Auto Local Paging, default 15
2. Auto API Hooking with Query Customization
3. Auto Remote Paging, default 15
4. Automatic Swipe or Tap Delete with Confirmation
5. Quick Customize CardRF for various card tile design



```
TextRF(
  this.text, {
    this.size,
    this.weight,
    this.color,
    this.visible = true,
    this.style,
    this.template,
  });
```

```
TextFieldRF({
  this.model,
  this.field,
  this.inputType,
  this.maxLength,
  this.hintText,
  this.hint,
  this.caption,
  this.onSaved,
  this.validator,
  this.onFieldSubmitted,
  this.validator1,
  this.onChange,
});
```

```
ContainerRF({
  this.alignment,
  this.padding,
  this.margin,
  this.height,
  this.decoration,
  this.child,
  this.template,
  this.style,
});
```

Step 1

```
var student = Student(); //declare model
```

Step 2

```
//load model
```

```
loadModel(){
  rf.db.get(student, 'select * from Student where StudentId = ?', [widget.studentId], (model) {
    setState(() {
      student = model.first;
    });
  });
}
```

Step 3

```
// design UI (automatic validation & multilingual mapping)
```

```
return PageRF(
  title: 'SJ - MIS',
  model: student,
  body: ContainerRF(
    child: Column(
      children: <Widget>[
        RowRF([PageTitleRF("Student Profile")]),
        RowRF([PageSubTitleRF("General Information")]),
        RowRF([TextRF("Name")]),
        RowRF([TextFieldRF(field: 'StudentName')]),
        RowRF([TextRF("Enroll Date"), TextRF("Enroll Time")]),
        RowRF([DatePickerRF(field: 'EnrollDate'), TimePickerRF(field: 'EnrollTime')]),
      ],
    ),
  ),
)
```

Step 4

```
// automatic add or update
```

```
FabRF(
  type: FabType.add,
  onPressed: () async {
    if (PageRF.isModelValid(context)) {
      var result = await rf.db.save(student);
      rf.page.back(context);
    }
  },
)
```

Step 1

```
var student = Student(); //declare model
```

Step 2

```
//fetch data
var data = await api.fetch(student, pageNo: pageNo);
dynamic fetch(
  Object model, {
    String processAlertText,
    dynamic onComplete,
  });
```

Step 3

```
// sync data
var result = await api.sync(student);
void sync(
  Object model, {
    String processAlertText,
    dynamic onComplete,
  })
```

Step 4

1. automatic periodic sync fetch added in scheduler
2. automatic add sync/fetch item to manual operation list