

CS301 - Project Management

Proof of concept

Table of contents

A. Giới thiệu.....	1
B. Mã nguồn.....	1
D. Chứng minh tính khả thi.....	3

A. Giới thiệu

- Cho người dùng chọn bài tập, chọn cường độ tập luyện

B. Mã nguồn

```
1  import '../backend/backend.dart';
2  import '../backend/schema/structs/index.dart';
3  import '../components/start_work_out_comp/start_work_out_comp_widget.dart';
4  import '../flutter_flow/flutter_flow_theme.dart';
5  import '../flutter_flow/flutter_flow_util.dart';
6  import '../flutter_flow/flutter_flow_widgets.dart';
7  import 'start_workout_widget.dart' show StartWorkoutWidget;
8  import 'package:flutter/material.dart';
9  import 'package:google_fonts/google_fonts.dart';
10 import 'package:provider/provider.dart';
11
12 class StartWorkoutModel extends FlutterFlowModel<StartWorkoutWidget> {
13   /// State fields for stateful widgets in this page.
14
15   final unfocusNode = FocusNode();
16
17   @override
18   void initState(BuildContext context) {}
19
20   @override
21   void dispose() {
22     unfocusNode.dispose();
23   }
24 }
```

```

100: textAlign: TextAlign.start,
101: style: FlutterTheme.of(context).headlineMedium.override(
102:   fontFamily: 'Serif',
103:   color: Colors.white,
104:   fontSize: 22,
105:   letterSpacing: 0,
106: ),
107: ),
108: actions: [],
109: controller: false,
110: elevation: 2,
111: ),
112: body: SafeArea(
113:   padding: EdgeInsetsDirectional.fromSTEB(0, 20, 0, 0),
114:   child: Column(
115:     mainAxisAlignment: MainAxisAlignment.start,
116:     children: [
117:       Padding(
118:         padding: EdgeInsets.all(20),
119:         child: Container(
120:           width: double.infinity,
121:           height: 100,
122:           decoration: BoxDecoration(
123:             color: FlutterTheme.of(context).secondaryBackground,
124:             shape: BoxShape.rectangle,
125:           ),
126:           child: Column(
127:             mainAxisAlignment: MainAxisAlignment.start,
128:             children: [
129:               Padding(
130:                 padding: EdgeInsetsDirectional.fromSTEB(0, 0, 0, 20),
131:                 child: Row(
132:                   mainAxisAlignment: MainAxisAlignment.start,
133:                   crossAxisAlignment: CrossAxisAlignment.center,
134:                   children: [
135:                     Text(
136:                       'Quick Start',
137:                       style: FlutterTheme.of(context).headlineLarge,
138:                       override:
139:                         fontFamily: 'Monaco Pro',
140:                         letterSpacing: 0,
141:                         fontWeight: FontWeight.w800,
142:                     ),
143:                   ],
144:                 ),
145:               Row(
146:                 mainAxisAlignment: MainAxisAlignment.start,
147:                 crossAxisAlignment: CrossAxisAlignment.center,
148:                 children: [
149:                   FractionalSizedWidget(

```

```

117      ),
118    ),
119  ),
120  Padding(
121    padding: EdgeInsets.all(20),
122    child: Container(
123      height: 500,
124      decoration: BoxDecoration(
125        color: FlutterTheme.of(context).secondaryBackgroundColor,
126      ),
127      child: Column(
128        mainAxisAlignment: MainAxisAlignment.start,
129        children: [
130          Row(
131            mainAxisAlignment: MainAxisAlignment.start,
132            children: [
133              Text(
134                'templates',
135                style: FlutterTheme.of(context)
136                  .textTheme
137                  .headlineLarge
138                  .override(
139                    fontFamily: 'Quicksand',
140                    letterSpacing: 5,
141                  ),
142              ),
143            ],
144          ),
145          Padding(
146            padding: EdgeInsetsDirectional.fromSTEB(0, 5, 0, 0),
147            child: Row(
148              mainAxisAlignment: MainAxisAlignment.start,
149              children: [
150                Text(
151                  'Example templates',
152                  style: FlutterTheme.of(context)
153                    .textTheme
154                    .labelLarge
155                    .override(
156                      fontFamily: 'Quicksand Pro',
157                      letterSpacing: 0,
158                    ),
159                ),
160              ],
161            ),
162          ),
163          Expanded(
164            child: StreamBuilder<List<TemplateRecord>>(
165              stream: queryTemplateRecords(),
166              builder: (context, snapshot) {
167
168                if (snapshot.hasData) {
169                  return Center(
170                    child: SizedBox(
171                      width: 50,
172                      height: 50,
173                      child: CircularProgressIndicator(
174

```


```

256: Seminar 7 • newpy 7 ...
257:
258: },
259: Builder {
260:     builder: (context) {
261:         final exercise =
262:             gridViewTemplateRecord
263:                 .exercise
264:                 .exerciseId;
265:         return ListView.builder(
266:             padding: EdgeInsets.zero,
267:             shrinkWrap: true,
268:             scrollDirection: Axis.vertical,
269:             itemCount: exercise.length,
270:             itemBuilder:
271:                 (
272:                     context, exerciseIndex) {
273:                     final exerciseItem =
274:                         exercise[exerciseIndex];
275:                     return StreamBuilder(
276:                         exerciseRecord:
277:                             Stream.fromFuture(
278:                                 getExercise(
279:                                     exerciseId,
280:                                     builder: (context, snapshot)
281:
282:                                     {
283:                                         if (snapshot.hasData) {
284:                                             return Center(
285:                                                 child: SizedBox(
286:                                                     width: 50,
287:                                                     height: 50,
288:                                                     child:
289:                                                         (CircularProgressIndicator
290:                                                             valueColor:
291:                                                                 AlwaysStoppedColor)
292:                                                             Color()
293:                                                             FlutterLoadingTheme
294:                                                                 (context)
295:                                                                 .primary
296:                                                         ),
297:                                                     ),
298:                                                 ),
299:                                             ),
300:                                         );
301:                                     }
302:                                     )
303:                                     final textExerciseRecord =
304:                                         snapshot.data;
305:                                     return Text(
306:                                         textExerciseRecord.name,
307:                                         style: FlutterLoadingTheme
308:                                             .of(context)
309:                                             .bodyMedium
310:                                             .overlaid
311:                                             fontFamily:
312:                                                 'Roboto Pro',
313:                                             letterSpacing: 0,
314:                                             ),
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C. Mã nguồn

[Fitness App](#)

D. Chứng minh tính khả thi

- Đã đính kèm file video demo:  Vid demo.mp4