

Báo cáo công việc đã làm

Kính gửi: Thầy Kiền Tuấn Dũng

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Sau đây là trình bày báo cáo công việc làm bài tập lớn môn lập trình ứng dụng di động:

Làm phần giao diện

Update giao diện

 Tien NguyenTLU committed 5 hours ago

```
▼ app/src/main/java/com/edu/quizapp/ui/student/dashboard/StudentDashboardActivity.kt  -2 -2 0000 ...
101 101 // val intent = Intent(this, CategoryManagementActivity::class.java)
102 102 // startActivity(intent)
103 103 // }
104 - binding.featureLayout.getChildAt(1).setOnClickListener {
104 + binding.featureLayout.getChildAt(0).setOnClickListener {
105 105     val intent = Intent(this, StudentTestActivity::class.java)
106 106     startActivity(intent)
107 107 }
108 - binding.featureLayout.getChildAt(2).setOnClickListener {
108 + binding.featureLayout.getChildAt(1).setOnClickListener {
109 109     val intent = Intent(this, StudentClassActivity::class.java)
110 110     startActivity(intent)
111 111 }
...
+
```

```
▼ app/src/main/res/layout/activity_add_class_success.xml  +3 -1 0000 ...
78 78 android:id="@+id/back_button"
79 79 android:layout_width="wrap_content"
80 80 android:layout_height="wrap_content"
81 + android:backgroundTint="@color/primary_color"
81 82 android:layout_marginTop="24dp"
82 - android:text="Quay lại" />
83 + android:text="Quay lại"
84 + app:cornerRadius="9dp" />
83 85
84 86 </LinearLayout>
85 87
...
+
```

```
▼ app/src/main/res/layout/activity_test_success.xml  +3 -1 0000 ...
79 79 android:layout_width="wrap_content"
80 80 android:layout_height="wrap_content"
81 81 android:layout_marginTop="24dp"
82 - android:text="Quay lại" />
82 + android:backgroundTint="@color/primary_color"
83 + android:text="Quay lại"
84 + app:cornerRadius="9dp" />
83 85
84 86 </LinearLayout>
85 87
...
+
```

app/src/main/res/layout/activity_change_password_student.xml

```

+5 -3
@@ -93,17 +93,19 @@
93 93         android:layout_height="wrap_content"
94 94         android:layout_marginTop="24dp"
95 95         android:text="Đổi mật khẩu"
96 -         app:layout_constraintTop_toBottomOf="@id/confirm_password_layout"
96 +         android:backgroundTint="@color/primary_color"
97 +         app:cornerRadius="9dp"
98 +         app:layout_constraintEnd_toEndOf="parent"
97 99         app:layout_constraintStart_toStartOf="parent"
98 -         app:layout_constraintEnd_toEndOf="parent" />
100 +         app:layout_constraintTop_toBottomOf="@id/confirm_password_layout" />
99 101
100 102         <TextView
101 103             android:id="@id/forgot_password_link"
102 104             android:layout_width="wrap_content"
103 105             android:layout_height="wrap_content"
104 106             android:layout_marginTop="16dp"
105 107             android:text="Quên mật khẩu)"
106 -             android:textColor="@color/purple_500"
108 +             android:textColor="@color/black"
107 109             app:layout_constraintTop_toBottomOf="@id/change_password_button"
108 110             app:layout_constraintStart_toStartOf="parent"
109 111             app:layout_constraintEnd_toEndOf="parent" />
+

```

app/src/main/res/layout/activity_change_password_teacher.xml

```

+7 -5
@@ -92,21 +92,23 @@
92 92         android:layout_width="wrap_content"
93 93         android:layout_height="wrap_content"
94 94         android:layout_marginTop="24dp"
95 +         android:backgroundTint="@color/primary_color"
95 96         android:text="Đổi mật khẩu"
96 -         app:layout_constraintTop_toBottomOf="@id/confirm_password_layout"
97 +         app:cornerRadius="9dp"
98 +         app:layout_constraintEnd_toEndOf="parent"
97 99         app:layout_constraintStart_toStartOf="parent"
98 -         app:layout_constraintEnd_toEndOf="parent" />
100 +         app:layout_constraintTop_toBottomOf="@id/confirm_password_layout" />
99 101
100 102         <TextView
101 103             android:id="@id/forgot_password_link"
102 104             android:layout_width="wrap_content"
103 105             android:layout_height="wrap_content"
104 106             android:layout_marginTop="16dp"
105 107             android:text="Quên mật khẩu)"
106 -             android:textColor="@color/purple_500"
107 -             app:layout_constraintTop_toBottomOf="@id/change_password_button"
108 +             android:textColor="@color/black"
109 +             app:layout_constraintEnd_toEndOf="parent"
108 110             app:layout_constraintStart_toStartOf="parent"
109 -             app:layout_constraintEnd_toEndOf="parent" />
111 +             app:layout_constraintTop_toBottomOf="@id/change_password_button" />
110 112
111 113         </androidx.constraintlayout.widget.ConstraintLayout>
112 114

```

▼ app/src/main/res/layout/activity_class_detail.xml			+8 -14	0000	...
47	47	android:id="@+id/class_icon"			
48	48	android:layout_width="48dp"			
49	49	android:layout_height="48dp"			
50	-	android:src="@drawable/ic_class_placeholder"			
51	50	android:layout_marginStart="16dp"			
52	-	android:layout_marginEnd="16dp" />			
51	+	android:layout_marginEnd="16dp"			
52	+	android:src="@drawable/ic_class_placeholder" />			
53	53				
54	54	<TextView			
55	55	android:id="@+id/class_name"			
62	62				
63	63	</LinearLayout>			
64	64				
65	-	<ImageView			
66	-	android:id="@+id/class_image"			
67	-	android:layout_width="match_parent"			
68	-	android:layout_height="150dp"			
69	-	android:src="@drawable/ic_class_image"			
70	-	android:layout_marginTop="16dp"			
71	-	android:scaleType="centerCrop" />			
72	-				
73	65	<LinearLayout			
74	66	android:layout_width="match_parent"			
75	67	android:layout_height="wrap_content"			
119	111	android:id="@+id/edit_button"			
120	112	android:layout_width="8dp"			
121	113	android:layout_height="wrap_content"			
114	+	android:layout_marginEnd="8dp"			
122	115	android:layout_weight="1"			
▼ app/src/main/res/layout/activity_class_detail.xml			+8 -14	0000	...
73	65	<LinearLayout			
74	66	android:layout_width="match_parent"			
75	67	android:layout_height="wrap_content"			
119	111	android:id="@+id/edit_button"			
120	112	android:layout_width="8dp"			
121	113	android:layout_height="wrap_content"			
114	+	android:layout_marginEnd="8dp"			
122	115	android:layout_weight="1"			
123	-	android:text="Chỉnh sửa"			
124	116	android:backgroundTint="@color/yellow"			
117	+	android:text="Chỉnh sửa"			
125	118	android:textColor="@color/black"			
126	-	android:layout_marginEnd="8dp" />			
119	+	app:cornerRadius="9dp" />			
127	120				
128	121	<Button			
129	122	android:id="@+id/delete_button"			
130	123	android:layout_width="8dp"			
131	124	android:layout_height="wrap_content"			
132	125	android:layout_weight="1"			
133	-	android:text="Xóa"			
134	126	android:backgroundTint="@color/red"			
135	-	android:textColor="@color/black" />			
127	+	android:text="Xóa"			
128	+	android:textColor="@color/black"			
129	+	app:cornerRadius="9dp" />			
136	130	</LinearLayout>			
137	131				
138	132	</LinearLayout>			

app/src/main/res/layout/activity_class_management.xml

+1 -1

92 92

<ImageView

93 93

android:layout_width="60dp"

94 94

android:layout_height="60dp"

95 -

android:src="@drawable/ic_class" />

95 +

android:src="@drawable/ic_class_placeholder" />

96 96

<TextView

97 97

android:layout_width="wrap_content"

98 98

app/src/main/res/layout/activity_create_questions_from_file.xml

+8 -4

55 55

android:id="@+id/select_file_button"

56 56

android:layout_width="match_parent"

57 57

android:layout_height="wrap_content"

58 -

android:text="Chọn file" />

58 +

android:text="Chọn file"

59 +

android:backgroundTint="@color/primary_color"

60 +

app:cornerRadius="9dp" />

59 61

<TextView

60 62

android:id="@+id/file_path_text_view"

61 63

@@ -125,9 +127,10 @@

125 127

android:layout_height="wrap_content"

126 128

android:layout_marginEnd="8dp"

127 129

android:layout_weight="1"

128 -

android:backgroundTint="@color/gray"

130 +

android:backgroundTint="@android:color/darker_gray"

130 131

android:text="Đường dẫn file"

app/src/main/res/layout/activity_edit_class_success.xml

+3 -1

79 79

android:layout_width="wrap_content"

80 80

android:layout_height="wrap_content"

81 81

android:layout_marginTop="24dp"

82 -

android:text="Quay lại" />

82 +

android:text="Quay lại"

83 +

android:backgroundTint="@color/primary_color"

84 +

app:cornerRadius="9dp" />

83 85

</LinearLayout>

84 86

85 87

app/src/main/res/layout/activity_edit_profile_student.xml

+2

145 145

android:layout_width="match_parent"

146 146

android:layout_height="wrap_content"

147 147

android:layout_marginTop="24dp"

148 +

android:backgroundTint="@color/primary_color"

148 149

android:padding="12dp"

149 150

android:text="Luu thay doi"

150 151

android:textSize="16sp"

152 +

app:cornerRadius="9dp"

151 153

app:layout_constraintEnd_toEndOf="parent"

152 154

app:layout_constraintStart_toStartOf="parent"

153 155

app:layout_constraintTop_toBottomOf="@id/edit_address_layout" />

app/src/main/res/layout/activity_statistical_class.xml

-102

```

***  @@ -0,0 +1,102 @@
1  + <?xml version="1.0" encoding="utf-8"?>
2  + <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3  +     xmlns:app="http://schemas.android.com/apk/res-auto"
4  +     xmlns:tools="http://schemas.android.com/tools"
5  +     android:layout_width="match_parent"
6  +     android:layout_height="match_parent"
7  +     android:background="#F5F5F5">
8  +
9  +     <include
10 +         android:id="@+id/top_bar_include"
11 +         layout="@layout/top_bar"
12 +         app:layout_constraintTop_toTopOf="parent"
13 +         app:layout_constraintStart_toStartOf="parent"
14 +         app:layout_constraintEnd_toEndOf="parent" />
15 +
16 +     <ImageButton
17 +         android:id="@+id/button_back"
18 +         android:layout_width="wrap_content"
19 +         android:layout_height="wrap_content"
20 +         android:layout_marginStart="16dp"
21 +         android:layout_marginTop="16dp"
22 +         android:background="?attr/selectableItemBackgroundBorderless"
23 +         android:contentDescription="Quay lại"
24 +         android:src="@drawable/ic_back"
25 +         app:layout_constraintStart_toStartOf="parent"
26 +         app:layout_constraintTop_toBottomOf="@id/top_bar_include" />
27 +
28 +     <TextView
29 +         android:id="@+id/title_stats_by_class"
30 +         android:layout_width="80dp"

```

app/src/main/res/layout/activity_statistical_test.xml

+179

```

***  @@ -0,0 +1,179 @@
1  + <?xml version="1.0" encoding="utf-8"?>
2  + <ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
3  +     android:layout_width="match_parent"
4  +     android:layout_height="match_parent"
5  +     xmlns:app="http://schemas.android.com/apk/res-auto"
6  +     android:background="#F5F5F5">
7  +
8  +     <LinearLayout
9  +         android:layout_width="match_parent"
10 +         android:layout_height="wrap_content"
11 +         android:orientation="vertical"
12 +         android:padding="16dp">
13 +
14 +         <LinearLayout
15 +             android:layout_width="match_parent"
16 +             android:layout_height="wrap_content"
17 +             android:orientation="horizontal"
18 +             android:gravity="center_vertical"
19 +             android:layout_marginBottom="16dp">
20 +
21 +             <ImageButton
22 +                 android:id="@+id/button_back"
23 +                 android:layout_width="wrap_content"
24 +                 android:layout_height="wrap_content"
25 +                 android:background="?attr/selectableItemBackgroundBorderless"
26 +                 android:contentDescription="Quay lại"
27 +                 android:src="@drawable/ic_back"
28 +                 android:layout_marginEnd="16dp" />
29 +
30 +             <TextView

```

app/src/main/res/layout/activity_student_dashboard.xml

```

71 71         android:layout_marginTop="32dp"
72 72         app:layout_constraintTopToBottomOf="@id/join_class_button">
73 73
74 -         <LinearLayout
75 -             android:layout_width="8dp"
76 -             android:layout_height="wrap_content"
77 -             android:layout_weight="1"
78 -             android:orientation="vertical"
79 -             android:gravity="center">
80 -
81 -         <ImageView
82 -             android:layout_width="68dp"
83 -             android:layout_height="68dp"
84 -             android:src="@drawable/ic_category" />
85 -
86 -         <TextView
87 -             android:layout_width="wrap_content"
88 -             android:layout_height="wrap_content"
89 -             android:text="Danh myc"
90 -             android:textSize="14sp"
91 -             android:layout_marginTop="8dp" />
92 -
93 -     </LinearLayout>
94 -
95 74     <LinearLayout
96 75         android:layout_width="8dp"
97 76         android:layout_height="wrap_content"

```

173 183 /TeacherView

app/src/main/res/layout/activity_test_management.xml

```

1 1     <?xml version="1.0" encoding="utf-8"?>
2 2     <androidx.constraintlayout.widget.ConstraintLayout
3 -         xmlns:app="http://schemas.android.com/apk/res-auto"
4 3         xmlns:android="http://schemas.android.com/apk/res/android"
5 4 +         xmlns:app="http://schemas.android.com/apk/res-auto"
6 5         xmlns:tools="http://schemas.android.com/tools"
7 6         android:layout_width="match_parent"
8 7         android:layout_height="match_parent"
9 8 +         android:background="#F8F8F8"
10 9         tools:context=".ui.teacher.dashboard.test.TestManagementActivity">
11 10
12 11     <include
13 12         app:layout_constraintStartToStartOf="parent"
14 13         app:layout_constraintTopToTopOf="parent" />
15 14
16 15     <EditText
17 -         android:id="@+id/search_bar"
18 +         <androidx.cardview.widget.CardView
19 +         android:id="@+id/search_card"
20 20         android:layout_width="8dp"
21 -         android:layout_height="48dp"
22 +         android:layout_height="wrap_content"
23 21         android:layout_marginStart="16dp"
24 22         android:layout_marginTop="16dp"
25 23         android:layout_marginEnd="16dp"
26 -         android:background="@drawable/search_bar_background"
27 -         android:drawableStart="@drawable/ic_search"
28 -         android:drawablePadding="8dp"
29 -         android:hint="Tim kiếm"
30 -         android:paddingStart="16dp"
31 -         android:paddingEnd="16dp"

```

app/src/main/res/layout/analytic_class_item.xml

+39

```

*** @@ -0,0 +1,39 @@
1 + <?xml version="1.0" encoding="utf-8"?>
2 + <androidx.cardview.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
3 +   xmlns:app="http://schemas.android.com/apk/res-auto"
4 +   android:layout_width="match_parent"
5 +   android:layout_height="wrap_content"
6 +   android:layout_margin="8dp"
7 +   app:cardCornerRadius="8dp"
8 +   app:cardElevation="2dp"
9 +   android:clickable="true"
10 +   android:focusable="true"
11 +   android:foreground="?attr/selectableItemBackground">
12 +
13 +   <LinearLayout
14 +     android:layout_width="match_parent"
15 +     android:layout_height="wrap_content"
16 +     android:orientation="vertical"
17 +     android:padding="16dp">
18 +
19 +     <TextView
20 +       android:id="@+id/class_name"
21 +       android:layout_width="wrap_content"
22 +       android:layout_height="wrap_content"
23 +       android:text="Ldp: Toán 01"
24 +       android:textSize="18sp"
25 +       android:textStyle="bold"
26 +       android:textColor="#333333"
27 +       android:layout_marginBottom="4dp" />
28 +
29 +     <TextView
30 +       android:id="@+id/class_code"

```

app/src/main/res/layout/analytic_list.xml

+107

```

*** @@ -0,0 +1,107 @@
1 + <?xml version="1.0" encoding="utf-8"?>
2 + <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 +   android:layout_width="match_parent"
4 +   android:layout_height="match_parent"
5 +   xmlns:app="http://schemas.android.com/apk/res-auto">
6 +   <include
7 +     android:id="@+id/top_bar_include"
8 +     layout="@layout/top_bar"
9 +     app:layout_constraintTop_toTopOf="parent"
10 +     app:layout_constraintStart_toStartOf="parent"
11 +     app:layout_constraintEnd_toEndOf="parent" />
12 +
13 +   <LinearLayout
14 +     android:layout_width="0dp"
15 +     android:layout_height="wrap_content"
16 +     android:orientation="horizontal"
17 +     android:layout_marginTop="24dp"
18 +     android:paddingStart="16dp"
19 +     android:paddingEnd="16dp"
20 +     app:layout_constraintTop_toBottomOf="@id/top_bar_include"
21 +     app:layout_constraintStart_toStartOf="parent"
22 +     app:layout_constraintEnd_toEndOf="parent">
23 +
24 +     <androidx.cardview.widget.CardView
25 +       android:id="@+id/stats_by_class_card"
26 +       android:layout_width="0dp"
27 +       android:layout_height="wrap_content"
28 +       android:layout_weight="1"
29 +       android:layout_marginEnd="8dp"
30 +       app:cardCornerRadius="8dp"
31 +       app:cardElevation="4dp"
32 +       android:clickable="true"

```

```

▼ app/src/main/res/layout/analytic_test_item.xml
+39
*** @@ -0,0 +1,39 @@
1 + <?xml version="1.0" encoding="utf-8"?>
2 + <androidx.cardview.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
3 +   xmlns:app="http://schemas.android.com/apk/res-auto"
4 +   android:layout_width="match_parent"
5 +   android:layout_height="wrap_content"
6 +   android:layout_margin="8dp"
7 +   app:cardCornerRadius="8dp"
8 +   app:cardElevation="2dp"
9 +   android:clickable="true"
10 +   android:focusable="true"
11 +   android:foreground="@attr/selectableItemBackground">
12 +
13 +   <LinearLayout
14 +     android:layout_width="match_parent"
15 +     android:layout_height="wrap_content"
16 +     android:orientation="vertical"
17 +     android:padding="16dp">
18 +
19 +     <TextView
20 +       android:id="@+id/test_name"
21 +       android:layout_width="wrap_content"
22 +       android:layout_height="wrap_content"
23 +       android:text="Bài kiểm tra giữa kỳ 1"
24 +       android:textSize="18sp"
25 +       android:textStyle="bold"
26 +       android:textColor="#333333"
27 +       android:layout_marginBottom="4dp" />
28 +
29 +     <TextView
30 +       android:id="@+id/test_date"
31 +       android:layout_width="wrap_content"
32 +       android:layout_height="wrap_content"
33 +       android:text="Ngày 01/10/2023" />

```

```

▼ app/src/main/res/layout/analytic_test_list.xml
+56
*** @@ -0,0 +1,56 @@
1 + <?xml version="1.0" encoding="utf-8"?>
2 + <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 +   xmlns:app="http://schemas.android.com/apk/res-auto"
4 +   xmlns:tools="http://schemas.android.com/tools"
5 +   android:layout_width="match_parent"
6 +   android:layout_height="match_parent"
7 +   android:background="#F5F5F5">
8 +   <!-- tools:context=".ui.teacher.dashboard.stats.StatsByClassActivity"-->
9 +
10 +   <include
11 +     android:id="@+id/top_bar_include"
12 +     layout="@layout/top_bar"
13 +     app:layout_constraintTop_toTopOf="parent"
14 +     app:layout_constraintStart_toStartOf="parent"
15 +     app:layout_constraintEnd_toEndOf="parent" />
16 +
17 +   <TextView
18 +     android:id="@+id/title_stats_by_class"
19 +     android:layout_width="wrap_content"
20 +     android:layout_height="wrap_content"
21 +     android:layout_marginTop="24dp"
22 +     android:text="Thống kê theo bài kiểm tra"
23 +     android:textSize="24sp"
24 +     android:textStyle="bold"
25 +     android:textColor="#333333"
26 +     app:layout_constraintTop_toBottomOf="@id/top_bar_include"
27 +     app:layout_constraintStart_toStartOf="parent"
28 +     app:layout_constraintEnd_toEndOf="parent" />
29 +
30 +   <androidx.recyclerview.widget.RecyclerView

```



```
▼ app/src/main/res/layout/amlstic_class_list.xml
+55
*** @@ -0,0 +1,55 @@
1 + <?xml version="1.0" encoding="utf-8"?>
2 + <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 +     xmlns:app="http://schemas.android.com/apk/res-auto"
4 +     xmlns:tools="http://schemas.android.com/tools"
5 +     android:layout_width="match_parent"
6 +     android:layout_height="match_parent"
7 +     android:background="#F5F5F5">
8 +     <!-- tools:context=".ui.teacher.dashboard.stats.StatsByClassActivity"-->
9 +
10 +     <include
11 +         android:id="@+id/top_bar_include"
12 +         layout="@layout/top_bar"
13 +         app:layout_constraintTop_toTopOf="parent"
14 +         app:layout_constraintStart_toStartOf="parent"
15 +         app:layout_constraintEnd_toEndOf="parent" />
16 +
17 +     <TextView
18 +         android:id="@+id/title_stats_by_class"
19 +         android:layout_width="wrap_content"
20 +         android:layout_height="wrap_content"
21 +         android:layout_marginTop="24dp"
22 +         android:text="Thống kê theo lớp"
23 +         android:textSize="24sp"
24 +         android:textStyle="bold"
25 +         android:textColor="#333333"
26 +         app:layout_constraintTop_toBottomOf="@id/top_bar_include"
27 +         app:layout_constraintStart_toStartOf="parent"
28 +         app:layout_constraintEnd_toEndOf="parent" />
29 +
30 +     <androidx.recyclerview.widget.RecyclerView
```

```
▼ app/src/main/res/layout/edit_profile_toolbar.xml
+2 -3
*** @@ -1,11 +1,10 @@
1 1 <?xml version="1.0" encoding="utf-8"?>
2 2 <androidx.appcompat.widget.Toolbar
3 3     xmlns:android="http://schemas.android.com/apk/res/android"
4 2 + <androidx.appcompat.widget.Toolbar xmlns:android="http://schemas.android.com/apk/res/android"
5 4 3     xmlns:app="http://schemas.android.com/apk/res-auto"
6 5 4     android:id="@+id/toolbar"
7 6 5     android:layout_width="match_parent"
8 7 6     android:layout_height="32dp/actionBarSize"
9 8 -     android:background="@color/accentColor"
10 9 +     android:background="@color/primary_color"
11 10 8     android:elevation="4dp"
12 9 9     android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"
13 11 10     app:popupTheme="@style/ThemeOverlay.AppCompat.Light">
```

```
▼ app/src/main/res/layout/item_class_student.xml
+16 -9
*** @@ -6,20 +6,23 @@
6 6     android:layout_height="wrap_content"
7 7     android:layout_margin="8dp"
8 8     app:cardCornerRadius="12dp"
9 9 -     app:cardElevation="4dp"
10 10 -     android:backgroundTint="#B7CEEB">
11 9 +     app:cardElevation="4dp">
12 11
13 12 <LinearLayout
14 13     android:layout_width="match_parent"
15 14     android:layout_height="wrap_content"
16 15     android:orientation="horizontal"
17 16 -     android:padding="16dp">
18 15 +     android:padding="16dp"
19 16 +     android:gravity="center_vertical">
20 17
```

Chức năng tìm kiếm lớp

```

app/src/main/java/com/edu/quizapp/ui/student/dashboard/classes/StudentClassActivity.kt
+19 -4 0000 ...

@@ -2,6 +2,8 @@ package com.edu.quizapp.ui.student.dashboard.classes

2 2
3 3 import android.content.Intent
4 4 import android.os.Bundle
5 + import android.text.Editable
6 + import android.text.TextWatcher

5 7 import android.util.Log
6 8 import androidx.appcompat.app.AppCompatActivity
7 9 import androidx.lifecycle.ViewModelProvider

@@ -31,6 +33,7 @@ class StudentClassActivity : AppCompatActivity() {

31 33 setupViewModel()
32 34 setupRecyclerView()
33 35 setupBottomNavigation()
36 + setupSearchBar()

34 37
35 38 val studentId = FirebaseAuth.getInstance().currentUser?.uid ?: ""
36 39 viewModel.loadStudentClasses(studentId)

@@ -47,25 +50,37 @@ class StudentClassActivity : AppCompatActivity() {

47 50
48 51 private fun setupViewModel() {
49 52 viewModel = ViewModelProvider(this)[StudentClassViewModel::class.java]
50 - teacherRepository = TeacherRepository() // Khởi tạo teacherRepository ở đây
53 + teacherRepository = TeacherRepository()
51 54 setupObservers()
52 55 }
53 56
54 57 private fun setupObservers() {
55 - viewModel.classes.observe(this) { classes ->
58 + // Cập nhật adapter với danh sách lớp học đã lọc
60 + viewModel.filteredClasses.observe(this) { classes ->

```

```

app/src/main/java/com/edu/quizapp/ui/student/dashboard/classes/StudentClassActivity.kt
+19 -4 0000 ...

54 57 private fun setupObservers() {
55 - viewModel.classes.observe(this) { classes ->
58 + // Cập nhật adapter với danh sách lớp học đã lọc
59 + viewModel.filteredClasses.observe(this) { classes ->
56 60 adapter.updateClasses(classes)
57 61 }
58 62 }
59 63
60 64 private fun setupRecyclerView() {
61 - adapter = StudentClassAdapter(emptyList(), teacherRepository) // Truyền teacherRepository vào adapter
65 + adapter = StudentClassAdapter(emptyList(), teacherRepository)
62 66 binding.classRecyclerView.layoutManager = LinearLayoutManager(this)
63 67 binding.classRecyclerView.adapter = adapter
64 68 Log.d("StudentClassActivity", "setupRecyclerView() called, adapter set: $adapter")
65 69 }
66 70
71 + private fun setupSearchBar() {
72 + binding.searchBar.addTextChangedListener(object : TextWatcher {
73 + override fun beforeTextChanged(s: CharSequence?, start: Int, count: Int, after: Int) {}
74 +
75 + override fun onTextChanged(s: CharSequence?, start: Int, before: Int, count: Int) {
76 + viewModel.filterClasses(s.toString())
77 + }
78 +
79 + override fun afterTextChanged(s: Editable?) {}
80 + })
81 + }
82 +
67 83 private fun setupBottomNavigation() {
68 - // Thiết lập bottom navigation
69 84 binding.bottomNavigation.setOnItemSelectedListener { item ->
70 85 when (item.itemId) {
71 86 R.id.navigation_home -> {

```

```

1  @@ -5,7 +5,7 @@ import androidx.lifecycle.LiveData
5  5  import androidx.lifecycle.MutableLiveData
6  6  import androidx.lifecycle.ViewModel
7  7  import androidx.lifecycle.ViewModelScope
8  - import com.edu.quizapp.data.models.Classes // Thêm dòng import này
8  + import com.edu.quizapp.data.models.Classes
9  9  import com.edu.quizapp.data.repository.ClassRepository
10 10 import com.edu.quizapp.data.repository.StudentRepository
11 11 import kotlinx.coroutines.async
12 @@ -20,18 +20,19 @@ class StudentClassViewModel : ViewModel() {
20 20     private val _classes = MutableLiveData<List<Classes>>()
21 21     val classes: LiveData<List<Classes>> = _classes
22 22
23 23 +     private val _filteredClasses = MutableLiveData<List<Classes>>()
24 24 +     val filteredClasses: LiveData<List<Classes>> = _filteredClasses
25 25 +
26 26     fun loadStudentClasses(studentId: String) {
27 27         viewModelScope.launch {
28 28             try {
29 29                 val student = studentRepository.getStudentById(studentId)
30 30                 if (student != null) {
31 31                     Log.d("StudentClassViewModel", "Student found: $student")
32 32                     Log.d("StudentClassViewModel", "Student studentsId: ${student.studentsId}")
33 33
34 34 -                     // First try to get classes from the student's classes list
35 35 +
36 36                     val studentClasses = mutableListOf<Classes>()
37 37
38 38 -                     // If student has classes list, use it
39 39 +
40 40                     if (student.classes.isNotEmpty()) {
41 41                         Log.d("StudentClassViewModel", "Using student's classes list: ${student.classes}")
42 42                         val deferredClasses = student.classes.map { classId ->
43 43                             @@ -48,20 +49,17 @@ class StudentClassViewModel : ViewModel() {
44 44
45 45
46 46
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48 48
49 49
50 50
51 51
52 52
53 53
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61 61
62 62
63 63
64 64     val updatedClasses = student.classes.toMutableList()
65 65     updatedClasses.add(classItem.classId)
66 66
67 67 @@ -73,17 +71,26 @@ class StudentClassViewModel : ViewModel() {
68 68
69 69
70 70
71 71
72 72
73 73
74 74
75 75
76 -
77 +
78 78     _classes.value = studentClasses
79 79
80 80     _filteredClasses.value = studentClasses
81 81
82 82     Log.d("StudentClassViewModel", "Total classes found: ${studentClasses.size}")
83 83
84 84     } else {
85 85         Log.d("StudentClassViewModel", "Student not found for id: $studentId")
86 86         _classes.value = emptyList()
87 87         _filteredClasses.value = emptyList()
88 88
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Chức năng thống kê điểm theo lớp

```

app/src/main/java/com/edu/quizzapp/data/repository/StatisticalRepository.kt
*** @ -> 8 v1.44 @
1 + package com.edu.quizzapp.data.repository
2 +
3 + import com.edu.quizzapp.data.models.Classes
4 + import com.edu.quizzapp.data.models.Result
5 + import com.edu.quizzapp.data.models.Student
6 + import com.edu.quizzapp.data.models.Test
7 + import com.google.firebase.firestore.FirebaseFirestore
8 + import kotlinx.coroutines.tasks.await
9 +
10 + class StatisticalRepository {
11 +
12 +     private val db = FirebaseFirestore.getInstance()
13 +     private val resultsCollection = db.collection("results")
14 +     private val studentsCollection = db.collection("students")
15 +     private val testsCollection = db.collection("tests")
16 +     private val classesCollection = db.collection("classes")
17 +
18 +     suspend fun getResultByClass(classId: String): List<Result> {
19 +         return resultsCollection.get().await().toObjects<Result>(<class Java>).filter { result ->
20 +             val student = studentsCollection.document(result.studentId).get().await().toObject<Student>(<class Java>)
21 +             student?.classes?.contains(classId) == true
22 +         }
23 +     }
24 +
25 +     suspend fun getStudentName(studentId: String): String? {
26 +         return studentsCollection.document(studentId).get().await().toObject<Student>(<class Java>)?.name
27 +     }
28 +
29 +     suspend fun getClassId(studentId: String): String? {
30 +         val student = studentsCollection.document(studentId).get().await().toObject<Student>(<class Java>)
31 +         return student?.classes?.mapNotNull { classId ->
32 +             classesCollection.document(classId).get().await().toObject<Classes>(<class Java>)?.className
33 +         }?.firstOrNull()
34 +     }
35 +
36 +     suspend fun getTestId(studentId: String): String? {
37 +         return testsCollection.document(studentId).get().await().toObject<Test>(<class Java>)?.testName
38 +     }
39 +
40 +     suspend fun getResultByClass(classId: String): List<Result> {
41 +         return testsCollection.whereEqualTo("classId", classId).get().await().toObjects<Test>(<class Java>)
42 +     }
43 +
44 +     suspend fun hasResultForTest(testId: String): Boolean {
45 +         val results = resultsCollection.whereEqualTo("testId", testId).get().await().toObjects<Result>(<class Java>)

```

```

*** @ -> 8 v1.44 @
1 + package com.edu.quizzapp.adapter.teacher.analytic
2 +
3 + import android.view.LayoutInflater
4 + import android.view.View
5 + import android.view.ViewGroup
6 + import android.widget.TextView
7 + import androidx.recyclerview.widget.RecyclerView
8 + import com.edu.quizzapp.R
9 + import com.edu.quizzapp.data.models.Classes
10 +
11 + class AnalyticByClassAdapter {
12 +     private var classes: List<Classes>
13 +     private val onItemClick: (Classes) -> Unit // This listener
14 + } : RecyclerView.Adapter<AnalyticByClassAdapter.AnalyticByClassViewHolder>() {
15 +
16 +     class AnalyticByClassViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
17 +         val className: TextView = itemView.findViewById(R.id.class_name)
18 +         val classCode: TextView = itemView.findViewById(R.id.class_code)
19 +
20 +         fun bind(classes: Classes) {
21 +             className.text = "Up: ${classes.className}"
22 +             classCode.text = "PB Up: ${classes.classCode}"
23 +         }
24 +     }
25 +
26 +     override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): AnalyticByClassViewHolder {
27 +         val itemView = LayoutInflater.from(parent.context).inflate(R.layout.analytic_class_item, parent, false)
28 +         return AnalyticByClassViewHolder(itemView)
29 +     }
30 +
31 +     override fun onBindViewHolder(holder: AnalyticByClassViewHolder, position: Int) {
32 +         holder.bind(classes[position])
33 +         holder.itemView.setOnClickListener {
34 +             onItemClick(classes[position]) // Gp listener khi item app click
35 +         }
36 +     }
37 +
38 +     override fun getItemCount(): Int = classes.size
39 +
40 +     fun updateData(newList: List<Classes>) {
41 +         classes = newList
42 +         notifyDataSetChanged()
43 +     }
44 + }

```

```

*** @ -0.0 v1.48 @
1 + package com.edu.quizapp.data.repository
2 +
3 + import com.edu.quizapp.data.model.Classes
4 + import com.edu.quizapp.data.model.Result
5 + import com.edu.quizapp.data.model.Student
6 + import com.edu.quizapp.data.model.Test
7 + import com.google.firebase.firestore.FirebaseFirestore
8 + import kotlin.coroutines.tasks.await
9 +
10 + class StatisticalRepository {
11 +
12 +     private val db = FirebaseFirestore.getInstance()
13 +     private val resultsCollection = db.collection("results")
14 +     private val studentsCollection = db.collection("students")
15 +     private val testsCollection = db.collection("tests")
16 +     private val classesCollection = db.collection("classes")
17 +
18 +     suspend fun getResultByClass(classId: String): List<Result> {
19 +         return resultsCollection.get().await().toObjects<Result>(class::java).filter { result ->
20 +             val student = studentsCollection.document(result.studentId).get().await().toObject<Student>(class::java)
21 +             student?.classes?.contains(classId) == true
22 +         }
23 +     }
24 +
25 +     suspend fun getStudentName(studentId: String): String? {
26 +         return studentsCollection.document(studentId).get().await().toObject<Student>(class::java)?.name
27 +     }
28 +
29 +     suspend fun getClassNames(studentId: String): String? {
30 +         val student = studentsCollection.document(studentId).get().await().toObject<Student>(class::java)
31 +         return student?.classes?.mapNotNull { classId ->
32 +             classesCollection.document(classId).get().await().toObject<Classes>(class::java)?.className
33 +         }?.firstOrNull()
34 +     }
35 +
36 +     suspend fun getTestName(testId: String): String? {
37 +         return testsCollection.document(testId).get().await().toObject<Test>(class::java)?.testName
38 +     }
39 +
40 +     suspend fun getTestByClass(classId: String): List<Test> {
41 +         return testsCollection.whereEqualTo("classId", classId).get().await().toObjects<Test>(class::java)
42 +     }
43 +
44 +     suspend fun hasResultForTest(testId: String): Boolean {
45 +         val results = resultsCollection.whereEqualTo("testId", testId).get().await().toObjects<Result>(class::java)

```

```

*** @ -0.0 v1.70 @
1 + package com.edu.quizapp.ui.teacher.dashboard.analytics
2 +
3 + import android.content.Intent
4 + import android.os.Bundle
5 + import android.os.Bundle
6 + import android.os.Bundle
7 + import android.os.Bundle
8 + import android.os.Bundle
9 + import com.edu.quizapp.R
10 + import com.edu.quizapp.databinding.ActivityAnalyticsBinding
11 + import com.edu.quizapp.ui.teacher.dashboard.TeacherDashboardActivity
12 + import com.edu.quizapp.ui.teacher.dashboard.analytics.byclass.AnalyticByClassActivity
13 + //import com.edu.quizapp.ui.teacher.dashboard.analytics.bytest.AnalyticByTestActivity
14 + import com.edu.quizapp.ui.teacher.profile.TeacherProfileActivity
15 + import com.google.firebase.auth.FirebaseAuth
16 +
17 + class AnalyticActivity : AppCompatActivity() {
18 +
19 +     private lateinit var binding: ActivityAnalyticsBinding
20 +
21 +     override fun onCreate(savedInstanceState: Bundle?) {
22 +         super.onCreate(savedInstanceState)
23 +         binding = ActivityAnalyticsBinding.inflate(layoutInflater)
24 +         setContentView(binding.root)
25 +         setupClickListeners()
26 +
27 +         setupBottomNavigationView()
28 +         binding.bottomText.setOnClickListener {
29 +             finish()
30 +         }
31 +
32 +         private fun setupClickListeners() {
33 +             binding.statByClassCard.setOnClickListener {
34 +                 Log.e("AnalyticActivity", "statByClassCard clicked")
35 +
36 +                 // lấy teacherId từ FirebaseAuth
37 +                 val teacherId = FirebaseAuth.getInstance().currentUser?.uid ?: ""
38 +
39 +                 if (teacherId.isEmpty()) {
40 +                     val intent = Intent(this, AnalyticByClassActivity::class.java)
41 +                     intent.putExtra("teacherId", teacherId)
42 +                     startActivity(intent)
43 +                 } else {
44 +                     // xử lý trường hợp không có teacherId (ví dụ: hiển thị thông báo lỗi)
45 +                     Log.e("AnalyticActivity", "Teacher ID is missing.")

```

```

** @ -0.0 +1.74 @
1 + package com.edu.quizapp.ui.teacher.dashboard.analytic.byclass
2 +
3 + import android.content.Intent
4 + import android.os.Bundle
5 + import android.os.Lifecycle
6 + import android.view.View
7 + import android.support.design.widget.Snackbar
8 + import android.support.design.widget.TabLayout
9 + import android.support.design.widget.Toolbar
10 + import android.support.design.widget.FloatingActionButton
11 + import com.edu.quizapp.R
12 + import com.edu.quizapp.adapter.teacher.analytic.AnalyticByClassAdapter
13 + import com.edu.quizapp.data.models.Classes
14 + import com.edu.quizapp.databinding.ActivityAnalyticByClassBinding
15 +
16 + class AnalyticByClassActivity : AppCompatActivity() {
17 +
18 +     private lateinit var binding: ActivityAnalyticByClassBinding
19 +     private lateinit var viewModel: AnalyticByClassViewModel
20 +     private lateinit var adapter: AnalyticByClassAdapter
21 +
22 +     override fun onCreate(savedInstanceState: Bundle?) {
23 +         super.onCreate(savedInstanceState)
24 +         binding = ActivityAnalyticByClassBinding.inflate(layoutInflater)
25 +         setContentView(binding.root)
26 +
27 +         val teacherId = intent.getStringExtra("teacherId") ?: ""
28 +
29 +         viewModel = ViewModelProvider(this)[AnalyticByClassViewModel::class.java]
30 +
31 +         setUpRecyclerView()
32 +         setUpViewModel()
33 +         setUpListeners()
34 +
35 +         viewModel.setTeacherId(teacherId)
36 +         viewModel.fetchClasses()
37 +     }
38 +
39 +     private fun setUpRecyclerView() {
40 +         adapter = AnalyticByClassAdapter(emptyList()) { classes -> // This listener
41 +             // Xử lý sự kiện click ở đây
42 +             val intent = Intent(this, StatisticalClassActivity::class.java)
43 +             intent.putExtra("classId", classes.classId) // Truyền classId vào intent
44 +             startActivity(intent)
45 +         }
46 +         binding.recyclerViewClassListStats.layoutManager = LinearLayoutManager(this)
47 +         binding.recyclerViewClassListStats.adapter = adapter
48 +     }
49 +
50 +     private fun setUpViewModel() {
51 +         viewModel.classes.observe(this) { classes ->
52 +             if (classes.isNullOrEmpty()) {
53 +                 binding.recyclerViewClassListStats.visibility = View.GONE
54 +                 binding.emptyClassListStats.visibility = View.VISIBLE
55 +             } else {
56 +                 binding.recyclerViewClassListStats.visibility = View.VISIBLE
57 +                 binding.emptyClassListStats.visibility = View.GONE
58 +                 adapter.updateData(classes)
59 +             }
60 +         }
61 +
62 +         viewModel.errorMessage.observe(this) { errorMessage ->
63 +             if (!errorMessage.isNullOrEmpty()) {
64 +                 Log.e("AnalyticByClassActivity", "Error: $errorMessage")
65 +                 // Hiển thị thông báo lỗi cho người dùng nếu cần thiết
66 +             }
67 +         }
68 +     }
69 +
70 +     private fun setUpListeners() {
71 +         binding.backButton.setOnClickListener {
72 +             finish()
73 +         }
74 +     }

```

```

1  + package com.edu.quizapp.ui.teacher.dashboard.analytic.byclass
2  +
3  + import androidx.lifecycle.LiveData
4  + import androidx.lifecycle.MutableLiveData
5  + import androidx.lifecycle.ViewModel
6  + import androidx.lifecycle.ViewModelScope
7  + import com.edu.quizapp.data.models.Classes
8  + import com.edu.quizapp.data.repository.ClassRepository
9  + import kotlinx.coroutines.launch
10 +
11 + class AnalyticByClassViewModel : ViewModel() {
12 +
13 +     private val _classes = MutableLiveData<List<Classes>>()
14 +     val classes: LiveData<List<Classes>> = _classes
15 +
16 +     private val _errorMessage = MutableLiveData<String>()
17 +     val errorMessage: LiveData<String> = _errorMessage
18 +
19 +     private val classRepository = ClassRepository()
20 +     private var teacherId: String? = null
21 +
22 +     fun setTeacherId(teacherId: String) {
23 +         this.teacherId = teacherId
24 +     }
25 +
26 +     fun fetchClasses() {
27 +         viewModelScope.launch {
28 +             try {
29 +                 if (teacherId.isNullOrEmpty()) {
30 +                     _errorMessage.value = "Teacher ID is missing."
31 +                     _classes.value = emptyList()
32 +                     return@launch
33 +                 }
34 +
35 +                 val allClasses = classRepository.getAllClasses()
36 +                 val teacherClasses = allClasses.filter { it.teacherId == teacherId }
37 +                 _classes.value = teacherClasses
38 +                 _errorMessage.value = null // Clear any previous error
39 +             } catch (e: Exception) {

```

app/src/main/java/com/edu/quizapp/ui/teacher/dashboard/analytic/byclass/StatisticalClassActivity.kt

+133

```

1  + package com.edu.quizapp.ui.teacher.dashboard.analytic.byclass
2  +
3  + import android.os.Bundle
4  + import android.util.Log
5  + import android.view.View
6  + import android.widget.TableLayout
7  + import android.widget.TableRow
8  + import android.widget.TextView
9  + import androidx.appcompat.app.AppCompatActivity
10 + import androidx.lifecycle.ViewModelProvider
11 + import androidx.lifecycle.ViewModelScope
12 + import com.edu.quizapp.R
13 + import com.edu.quizapp.data.models.Result
14 + import com.edu.quizapp.databinding.ActivityStatisticalClassBinding
15 + import kotlinx.coroutines.launch
16 +
17 + class StatisticalClassActivity : AppCompatActivity() {
18 +
19 +     private lateinit var binding: ActivityStatisticalClassBinding
20 +     private lateinit var viewModel: StatisticalClassViewModel
21 +
22 +     override fun onCreate(savedInstanceState: Bundle?) {
23 +         super.onCreate(savedInstanceState)
24 +         binding = ActivityStatisticalClassBinding.inflate(layoutInflater)
25 +         setContentView(binding.root)
26 +
27 +         val classId = intent.getStringExtra("classId") ?: ""
28 +
29 +         viewModel = ViewModelProvider(this)[StatisticalClassViewModel::class.java]
30 +
31 +         setupListeners()
32 +         observeViewModel(classId)
33 +
34 +         viewModel.fetchResultsByClass(classId)
35 +         viewModel.fetchTestsByClass(classId)
36 +     }
37 +
38 +     private fun setupListeners() {

```

```

app/src/main/java/com/edu/quizapp/ui/teacher/dashboard/analytic/byclass/StatisticalClassViewModel.kt
+40 000000 ...

...  @0 -0,0 +1,48 @0
1  * package com.edu.quizapp.ui.teacher.dashboard.analytic.byclass
2  *
3  * import androidx.lifecycle.LiveData
4  * import androidx.lifecycle.MutableLiveData
5  * import androidx.lifecycle.ViewModel
6  * import androidx.lifecycle.ViewModelScope
7  * import com.edu.quizapp.data.models.Result
8  * import com.edu.quizapp.data.models.Test
9  * import com.edu.quizapp.data.repository.StatisticalRepository
10 * import kotlinx.coroutines.launch
11 *
12 * class StatisticalClassViewModel(val repository: StatisticalRepository = StatisticalRepository()) : ViewModel() {
13 *
14 *     private val _results = MutableLiveData<List<Result>>()
15 *     val results: LiveData<List<Result>> = _results
16 *
17 *     private val _errorMessage = MutableLiveData<String>()
18 *     val errorMessage: LiveData<String> = _errorMessage
19 *
20 *     private val _tests = MutableLiveData<List<Test>>()
21 *     val tests: LiveData<List<Test>> = _tests
22 *
23 *     fun fetchResultsByClass(classId: String) {
24 *         viewModelScope.launch {
25 *             try {
26 *                 val results = repository.getResultsByClass(classId)
27 *                 _results.value = results
28 *                 _errorMessage.value = null
29 *             } catch (e: Exception) {
30 *                 _errorMessage.value = "Failed to fetch results: ${e.message}"
31 *                 _results.value = emptyList()
32 *             }

```

Viết báo cáo

Vẽ figma cho chức năng đăng nhập, dashboard, lớp học, bài kiểm tra của người dùng sinh viên

Register

9:41


3T Education
Đăng Kí

Email/Sdt

Vai trò ▼

Mật khẩu

Xác nhận mật khẩu

Đăng kí tài khoản

[Bạn đã có tài khoản? Đăng nhập](#)

Login

9:41


3T Education
Đăng nhập

Email/Sdt

Mật khẩu

[Quên mật khẩu?](#)

Đăng nhập

[Bạn chưa có tài khoản? Đăng kí ngay](#)

9:41



Người dùng

Chào mừng đến với 3T



Tìm kiếm



Đơn vị mục



Bài kiểm tra



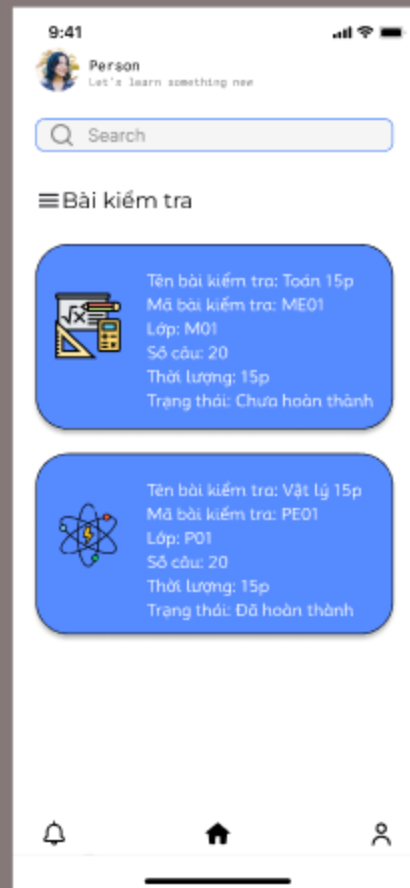
Lớp học



Class



Exam



Inside_class

9:41



Person

Let's learn something new

← Toán 01



Mã lớp: M01

Giáo viên: Nguyễn Văn A

Số lượng học sinh: 45/60

Số lượng bài kiểm tra hiện có: 1

≡ Bài kiểm tra khả dụng



Tên bài kiểm tra: Toán 15p

Mã bài kiểm tra: ME01

Lớp: M01

Số câu: 20

Thời lượng: 15p



Trạng thái: Chưa hoàn thành





Inside_exam

9:41


←

TOÁN 01

Nộp bài

Thời gian còn lại: 14:00

Câu 1: $1+1 = ?$

☒ 2
 ☐ 3
 ☐ 3
 ☐ 3

Câu 1: $1+1 = ?$




☒ 2
 ☐ 3
 ☐ 3
 ☐ 3

Câu 1: $1+1 = ?$

☒ 2
 ☐ 3
 ☐ 3
 ☐ 3

Câu 1: $1+1 = ?$

☒ 2
 ☐ 3
 ☐ 3
 ☐ 3

9:41

←

Kết Quả

2

Đúng

3

Sai

0

Bỏ Qua

Tên bài kiểm tra:

Toán 01

Thời gian làm bài :

14:00

Điểm:

4.00