

Batch #12 / iOS / Android

Midterm

2020.11.20 | 9:00 - 18:00

Description:

Based on the design requirement, implement the **Publisher** project today, fighting!!

Requirements:

Create a new repository on your GitHub. Push the project within the specified time, and then send the repo link to Wayne.

(Important) All operations of **Firestore** must be designed in Model and follow the **data structure** below:

Android

Standard Margin: 16dp

```
fun addData() {
    val articles = FirebaseFirestore.getInstance()
        .collection("articles")

    val document = articles.document()

    val data = hashMapOf<
        "author" to hashMapOf<
            "email" to "wayne@school.appworks.tw",
            "id" to "waynechen323",
            "name" to "AKA小安老師"
        >,
        "title" to "IU「亂穿」竟美出新境界！笑稱自己品味奇怪 網笑：靠顏值撐住女神氣場",
        "content" to "南韓歌手IU（李知恩）無論在歌唱方面或是近期的戲劇作品都有亮眼的成績，但俗話說人無完美、美玉微瑕，曾再跟工作人員的互動影片中坦言自己品味很奇怪，近日在IG上分享了宛如「媽媽們青春時代的玉女歌手」超復古穿搭造型，卻意外美出新境界。",
        "createTime" to Calendar.getInstance()
            .timeInMillis,
        "id" to document.id,
        "category" to "Beauty"
    >()
    document.set(data)
}
```

iOS

Standard Margin: 16pt

```
func addData() {
    let articles = Firestore.firestore().collection("articles")

    let document = articles.document()

    let data: [String: Any] = [
        "author": [
            "email": "wayne@school.appworks.tw",
            "id": "waynechen323",
            "name": "AKA小安老師"
        ],
        "title": "IU「亂穿」竟美出新境界！笑稱自己品味奇怪 網笑：靠顏值撐住女神氣場",
        "content": "南韓歌手IU（李知恩）無論在歌唱方面或是近期的戲劇作品都有亮眼的成績，但俗話說人無完美、美玉微瑕，曾再跟工作人員的互動影片中坦言自己品味很奇怪，近日在IG上分享了宛如「媽媽們青春時代的玉女歌手」超復古穿搭造型，卻意外美出新境界。",
        "createTime": NSDate().timeIntervalSince1970,
        "id": document.documentID,
        "category": "Beauty"
    ]
    document.setData(data)
}
```

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Cover	Ori. Date: 2020.11.5	Page id: C
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Product Unit Name: Publisher

Author: Wayne Chen

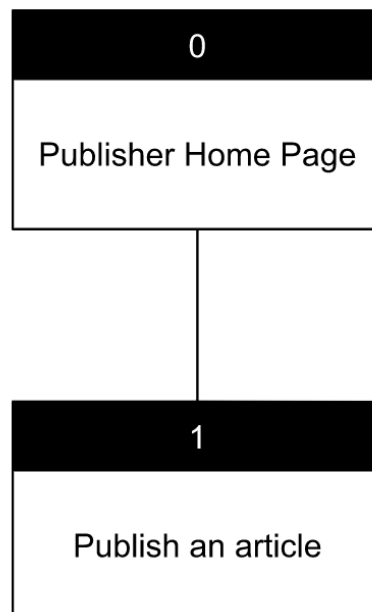
Version: 1.0.4

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Sitemap	Ori. Date: 2020.11.5	Page id: SM
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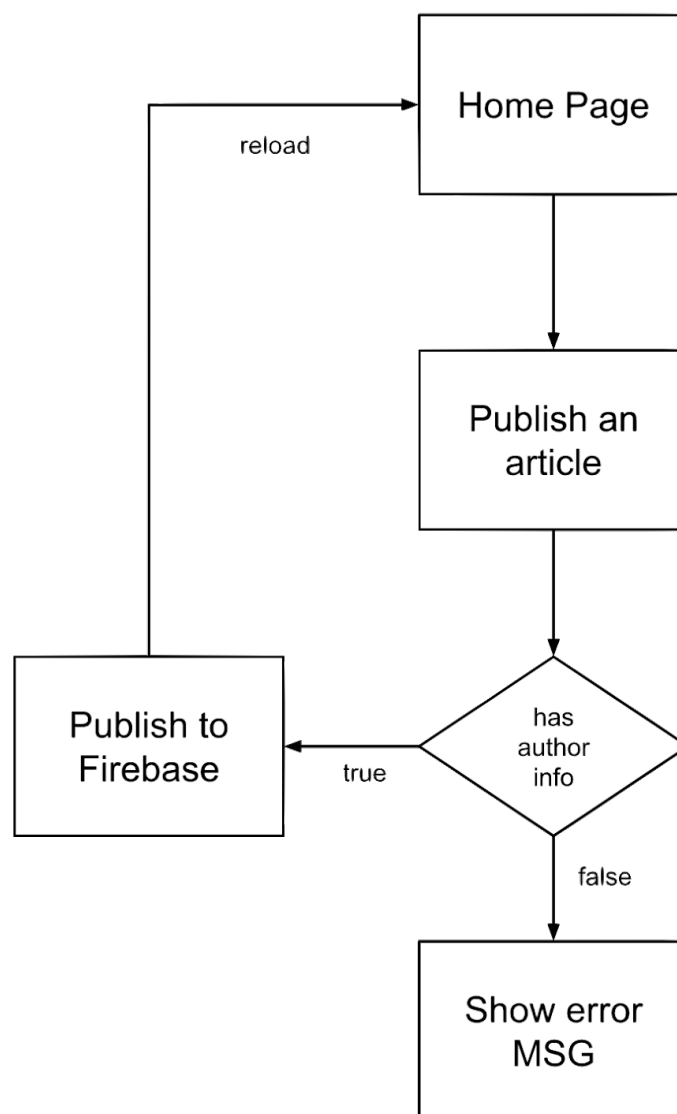
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Flowchart

Ori. Date: 2020.11.5

Page id: FC



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Home Page

Ori. Date: 2020.11.5

Page id: 0

The mockup shows a mobile app interface for publishing articles. At the top is a dark header with the word 'Publisher'. Below it is a list of article cards. Each card contains dashed boxes for 'article title', 'author name', 'category', 'created time', and 'article content'. A vertical arrow on the right side of the list is labeled with a circled '2'. The first card in the list has a circled '1' at its bottom right corner. The third card has a 'Publish' button at its bottom right corner, labeled with a circled '3'. Below the list is a detailed view of an article card, with numbered callouts: '4' for the title, '5' for the author name, '6' for the category, '7' for the created time, and '8' for the content area.

Page Detail

1. Scroll to display all articles, always display the latest one on top.

2. Drop down to reload all articles.

3. On tap, take users to the publish article page (**Page id: 1**).

4. Display [**article title**], top/left/right are **<standard_margin>**.

5. Display [**author name**], top is $\frac{1}{2}$ **<standard_margin>**, left is **<standard_margin>**

6. Display [**category**], **Beauty or SchoolLife or others**, top is $\frac{1}{2}$ **<standard_margin>**, right is **<standard_margin>**

7. Display [**created time of the article**], top is $\frac{1}{2}$ **<standard_margin>**, left is **<standard_margin>**.

8. Display [**article content**], top is $\frac{1}{2}$ **<standard_margin>**, left/right/bottom are **<standard_margin>**, the height will change with content.

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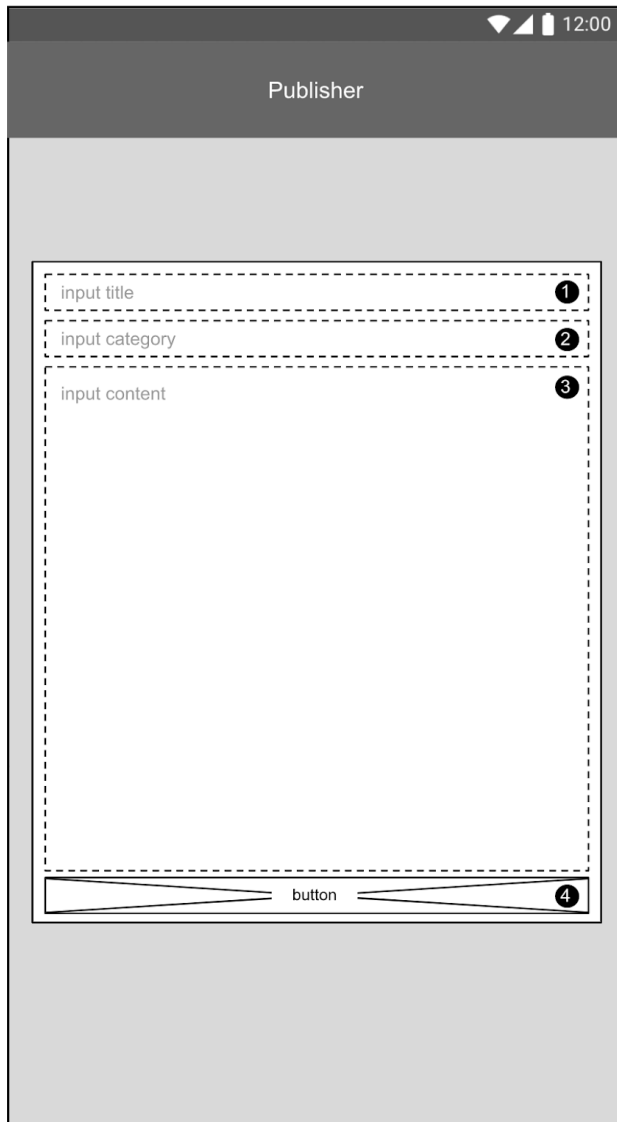
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Publish Article Page

Ori. Date: 2020.11.5

Page id: 1



The mockup shows a mobile app interface for publishing an article. At the top is a dark grey header with the text 'Publisher'. Below this is a light grey container. Inside the container is a dashed-line box representing the article input area. This area contains three input fields: 'input title', 'input category', and 'input content'. To the right of each input field is a numbered circle (1, 2, and 3 respectively). At the bottom of the dashed box is a button labeled 'button' with a numbered circle (4) to its right. The status bar at the top right shows signal strength, Wi-Fi, and the time 12:00.

Page Detail

1. Users can input the title, top/left/right are $\frac{1}{4}$ `<standard_margin>`.
2. Users can input the category, top/left/right are $\frac{1}{4}$ `<standard_margin>`.
3. Users can input the content, top/left/right are $\frac{1}{4}$ `<standard_margin>`.
4. On tap, publish the article and close this page, top/left/right/bottom are $\frac{1}{4}$ `<standard_margin>`.