# IOS App 上架流程

## 申請個人Apple Developer

#### 1. 使用 Apple ID 登入 Apple Developer。

在 Apple Developer 網站 <u>https://developer.apple.com/sign\_in\_with\_apple/</u>的右上角 Account 連結至登入畫面。登入後的畫面如下:

| É Developer  | News | Discover | Design       | Develop           | Distribute | Support | Account | Q      |
|--|------|----------|--------------|-------------------|------------|---------|---------|--------|
| Account  |      |          |              |                   |            |         | 青       | 爭伃 楊 ~ |
|  |      | Tools ar | ad resources | Email preferences | Agreements |         |         |        |
| Join the Apple Developer Program     When you're ready to build more advanced capabilities and distribute your apps, you can join the Apple Developer Program to distribute on the App Store. Learn about the program >     Enroll today |      |          |              |                   |            |         |         |        |

2. 按下 Enroll 註冊個人使用的開發者帳戶。



3. 填寫基本資料後,選擇註冊為個人使用帳戶。

| Confirm your personal information. | Select your entity type.     |
|------------------------------------|------------------------------|
| First Name                         | I develop apps as            |
| Given name                         | Individual / Sole Proprietor |
| Last Name                          |                              |
| Family name                        |                              |

| Complete your pu | rchase.   |                      |
|------------------|---|----------------------|
|                  | Once you complete your purchase, you'll receive a purchase a membership confirmation email. | cknowledgement and a |
|                  | Membership Type   |                      |
|                  | Apple Developer Program   |                      |
|                  | Enrollment ID   |                      |
|                  | Q4L4JF826A  |                      |
|                  | Cost  |                      |
|                  | NT\$3400  |                      |
|                  | Duration  |                      |
|                  | 1 year  |                      |
|                  |   |                      |
|                  |   | Purchase             |

5. 付款完成會收到確認信,此外還要等一段時間帳號才會完成申請。

| Account  |                     |                   |            | chingyu yang 🗸 |
|--|---------------------|-------------------|------------|----------------|
|  | Tools and resources | Email preferences | Agreements |                |
| ③ Purchase your membership.<br>To continue your enrollment, complete you<br>your purchase may take up to 48 hours to | ur purchase now >   |                   |            |                |

6. 申請通過後,就會看到這個畫面。點選 identifiers

| certificates, IDs & Profiles<br>anage the certificates, identifiers, profiles, | Additional resources  |
|--|---|
| ertificates, IDs & Profiles<br>anage the certificates, identifiers, profiles,  | Additional resources Download beta software, and view and                               |
| anage the certificates, identifiers, profiles,                                 | Download beta software, and view and  |
| Id devices required to develop, test, and                                      | manage your usage of developer services.  |
| stribute apps.   | Software Downloads  |
| > Certificates   | Feedback Assistant  |
| Identifiers  | Xcode Cloud   |
| Devices  | CloudKit  |
| i Profiles   | ① MapKit JS   |
| Keys   | 🐡 WeatherKit  |
|  | tribute apps.<br>Certificates<br>I dentifiers<br>Devices<br>Profiles<br>Keys<br>Sanicae |

7. Register an App ID,這邊申請的 Bundle ID 要跟 要跟 Xcode 設定的 Bundle ID 是同一個。

Bundle Identifier 是應用在裝置上唯一標識的字串,通常採用反向域名的格式,例如:"com.example.myapp"。每個 App 的 Bundle Identifier 都必須是唯一的,

| C         | ertificates, Identifiers & Profile   | es   |               |
|-----------|--|--|---------------|
| Certi     |  |  | Q App IDs ~   |
| Ident     | tifiers  |  |               |
| _         |  | iden iffier  |               |
| С         | ertificates, Identifiers & Profi   | les  |               |
|           |  |  |               |
|           | < All Identifiers  |  |               |
|           | Register a new identifier  |  | Continue      |
| (         | App IDs  |  |               |
|           | Register an App ID to enable your app, app extensions, or App Clip to a<br>your app in a provisioning profile. You can enable app services when y<br>cottinge later. | access available services and identify<br>you create an App ID or modify these |               |
| _         | settings later.  |  |               |
|           | Identifiere  |  |               |
| D         | agistar a new identifier   |  |               |
|           |  |  | Back          |
| Se        | elect a type   |  |               |
| $\square$ |  |  |               |
|           | App App Clip   |  |               |
|           |  |  |               |
|           | < All Identifiers  |  |               |
|           | Register an App ID   |  | Back Continue |
|           | Platform   | Ann ID Prefiv  |               |
|           | iOS, iPadOS, macOS, tvOS, watchOS, visionOS  | T59TDK9D3N (Team ID)   |               |
| 1         | Description  | Bundle ID   Explicit   Wildcard  |               |
|           | You cannot use special characters such as @, &, *, "   | We recommend using a reverse-domain name style string (i.e.,                   |               |
|           |  | com.domainname.appname). It cannot contain an asterisk (*).                    |               |
|           | Capabilities App Services  |  |               |
|           | ENABLE NAME  | NOTES  |               |
|           | ت (۲۰) 5G Network Slicing 🛈  |  |               |
|           | Access Wi-Fi Information   |  |               |

# 專案打包和發布流程

## 1. 在General 頁面確認所有設定。

包含是否能在 iPad 使用,IOS 設備版本限制, deployment info 顯示設定....等。 如果多次上傳需要改 build 的數字,每次+1。

|                          | 🛃 MathFun      | 🚸 Math 🔪 🎢      | Any iOS Device (  | arm64)              |                | Finished         | running MathFun | on Ching 💧 1 | +     |
|--------------------------|----------------|-----------------|-------------------|---------------------|----------------|------------------|-----------------|--------------|-------|
| 😑 🗵 🎞 Q 🛆 🗇 🗗 🗐          | 88 I < > 🛛 🐼 M | lathFun         |                   |                     |                |                  |                 |              |       |
| v 🖪 MathEur              | 🔼 MathFun      |                 |                   |                     |                |                  |                 |              | < 🛆 > |
|                          |                | General Signing | & Capabilities    | Resource Tags       | Info           | Build Settings   | Build Phases    | Build Rules  |       |
| MathFunApp               |                | ✓ Suppo         | orted Destination | ıs                  |                |                  |                 |              |       |
| > Preview Content        | PROJECT        |                 |                   |                     |                |                  |                 |              |       |
| LowerGradesMultiView     | 🔼 MathFun      |                 | Destination       |                     |                | SD               | K               |              |       |
| MultiChosingView         |                |                 | iPhone            |                     |                | iOs              | 5               |              |       |
| ContentView              | TARGETS        |                 | iPad              |                     |                | iOs              | 3               |              |       |
| LowerGradesView          | 🔮 MathFun      |                 | Mac (De           | signed for iPad)    |                | iOS              | \$              |              |       |
| MiddleGradesView         |                |                 |                   |                     |                |                  |                 |              |       |
| 🔌 UpperGradesView        |                |                 |                   |                     |                |                  |                 |              |       |
| LowerGradesAddition      |                | ✓ Minim         | um Deployment     | s                   |                |                  |                 |              |       |
| 🔌 BlackHoleView          |                |                 |                   | iO                  | s 16 (         | l                |                 | -            |       |
| 🔌 LowerGradesSubtraction |                |                 |                   | 10.                 | 5 10.0         | )                |                 |              |       |
| 🔌 PuzzelsView            |                | ✓ Identi        | tv                |                     |                |                  |                 |              |       |
| 🔌 SubAddView             |                |                 | -,                |                     | _              |                  |                 |              |       |
| 🔌 MathTrainView          |                |                 |                   | App Category        | y Non          | e                |                 |              |       |
| 🔌 FormulaView            |                |                 |                   | Display Nam         | e Disp         |                  |                 |              |       |
| 🖾 Assets                 |                |                 |                   | Bundle Identifie    | er zenc        | her.com.Joseph.o | nline.Math      | →            |       |
| 🔌 ABView                 |                |                 |                   | Versio              | n 1.0          |                  |                 | +            |       |
| 🌙 AskView                |                |                 |                   | Build               | d 1            |                  |                 | +            |       |
| 🔌 GradeSelectionView     |                |                 |                   |                     |                |                  |                 |              |       |
| 🌙 CatalogView            |                | ✓ Deploy        | yment Info        |                     |                |                  |                 |              |       |
| 🌙 SettingView            |                |                 |                   | iPhone Orientation  | n 🔽 Do         | rtrait           |                 |              |       |
|                          |                |                 |                   | IF Hone Offentation | Up 🔽           | oside Down       |                 |              |       |
|                          |                |                 |                   |                     | La             | ndscape Left     |                 |              |       |
|                          |                |                 |                   |                     | La             | ndscape Right    |                 |              |       |
|                          |                |                 |                   | iPad Orientatio     | n 🗹 Po<br>🗸 Ur | oside Down       |                 |              |       |
|                          |                |                 |                   |                     | La             | ndscape Left     |                 |              |       |
|                          |                |                 |                   |                     | 📕 La           | ndscape Right    |                 |              |       |

2. 選擇開發者帳號,並設定 target,確認 Bundle ID 為前面申請的 Bundle ID。

| Pomodoro<br>main |                  | 🛯 Pomodoro 〉 🎢 Any iOS De    | vice (arm64)                               | Archive Suco   | <b>ceeded</b>   Today at | 3:34 PM     |
|------------------|------------------|------------------------------|--|--|--------------------------|-------------|
| 器(く)) 🔌 Content  | tView 🛛 🛃 Pomodo | iro                          |  |  |                          |             |
| 🛃 Pomodoro       |                  |                              |  |  |                          |             |
|                  | Ge               | neral Signing & Capabilities | Resource Tags                              | Info Build Settings  | Build Phases             | Build Rules |
| PROJECT          | + Capability All | Debug Release                |  |  |                          |             |
| Pomodoro         | ✓ Signing        |                              |  |  |                          |             |
| TARGETS          |                  |                              | Xcode v<br>Zcode v                         | atically manage signing<br>will create and update profi<br>ates. | les, app IDs, and        | _           |
| Pomodoro         |                  | Bundle I                     | Team Zencher<br>dentifier com.zenc         | Co. Ltd.<br>cher.test  | •                        |             |
|                  | ✓ ios            | Provisionin<br>Signing Co    | g Profile Xcode Ma<br>ertificate Apple Dev | naged Profile 🚯<br>velopment: chingyu yang                       | (Y4SGXZYADV)             |             |

# 3. 在 Product 點選 Archive 專案。

| Navigate Editor | Product Debug   | Source Control W | indow He      | elp 📭 93% 🛃 🤅                              |
|-----------------|-----------------|------------------|---------------|--|
| 🔼 MathFun       | Run             | ж R              |               | Archive Succeeded   Today at 3:25 PM 🛛 🛕 5 |
|                 | Test<br>Profile | 米U<br>米 I        |               |  |
| 🛃 MathFun       | Analyze         | <sub>ው</sub> ж в |               |  |
|                 | Archive         |                  | e Tags 🛛 Info | o Build Settings Build Phases Build Rules  |
| PROJECT         | Build For       | >                | e             |  |
|                 | Perform Action  | >                |               |  |

4. Archive 完成後會看到以下畫面,先不要進行 Distribute 。

| • • •         | Archives |                                 |  |
|---------------|----------|---------------------------------|--|
| Math ᅌ        | Name     | Creation Date Version           | Distribute Arm                               |
| Products      | 🖂 Math   | Aug 31, 2023 at 3:25 PM 1.0 (1) | Distribute App                               |
| Archives      |          |                                 | Validate App                                 |
| Reports       |          |                                 | Details                                      |
| 🔅 Crashes     |          |                                 | Version 1.0 (1)                              |
| 😑 Disk Writes |          |                                 | Type iOS App Archive                         |
| 🗲 Energy      |          |                                 | Team Zencher Co. Ltd.<br>Architectures arm64 |
| 💭 Feedback    |          |                                 |  |
| ☑ Hangs       |          |                                 | Download Debug Symbols                       |

5. 到 App Store Connect 新增要發布的 app 資訊。



6. 進入我的 App ,新增新的 App ,這邊的套件識別碼就是 Bundle ID ,將 SUK 設為 Bundle ID 後面加 .1,複製 SKU 備用。

| 🙏 App Store Connect | Apr<br>新的 App                                       |
|---------------------|---|
| Арр 😌 \cdots        | 平台 2<br>DiOS DimacOS DitvOS VisionOS<br>名稱 2        |
| 新的 App<br>新的 App 套裝 | 30<br>主要語言 ?<br>選擇 ~ ~                              |
|                     | 客件識別碼 ?<br>選擇 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ |
|                     | sku 🤊   |
|                     | 使用者存取欄限 ② ○   |
|                     | <b>取23時</b> 3度527                                   |

7. 成功建立後,會看到創建好的頁面,類似左下方的圖。接著回到 Xcode , Distribute App 。

| Cohodul   |  | Archives |                                 |  |
|---|--|----------|---------------------------------|--|
| Schedu  | App Store ####   | Name     | Creation Date Version           | Distribute App   |
| iOS App   | iOS App 1.0  | 🔀 Math   | Aug 31, 2023 at 3:25 PM 1.0 (1) | Distribute App   |
| 1.0 已拒絕   |  |          |                                 | Validate App   |
| macOS App   | ● ExtEDID TF#R000001666       • 2.10 Performance: Beta Testing       • 2.20 Performance: Beta Testing       • BRUE2008 |          |                                 | Details<br>Version 1.0 (1)<br>Identifier zencher.com.Joseph.onl      |
| <ul> <li>一般資訊</li> <li>App 資訊</li> <li>定個同供應狀況</li> <li>App 陽私權</li> <li>許分同評論</li> </ul> | <b>版本 資 2代</b><br>此 Aoo 版本的道法真面研究所で列度対策元调制Eft App Store 中面行動荷。   |          |                                 | Type iOS App Archive<br>Team Zencher Co. Ltd.<br>Architectures arm64 |
| 版本記録<br>④ App 審查  | iOS 預覽和載圖 2  |          |                                 | Download Debug Symbols   |

- 8. 上傳打包好的 App,參照下方網頁: <u>https://ithelp.ithome.com.tw/articles/10307848</u>
- 9. 申請上架送審 App,參照下方網頁: https://ithelp.ithome.com.tw/articles/10307881