



# 整合新舊發票對獎平台

## Uniform Invoice Check App

Team1

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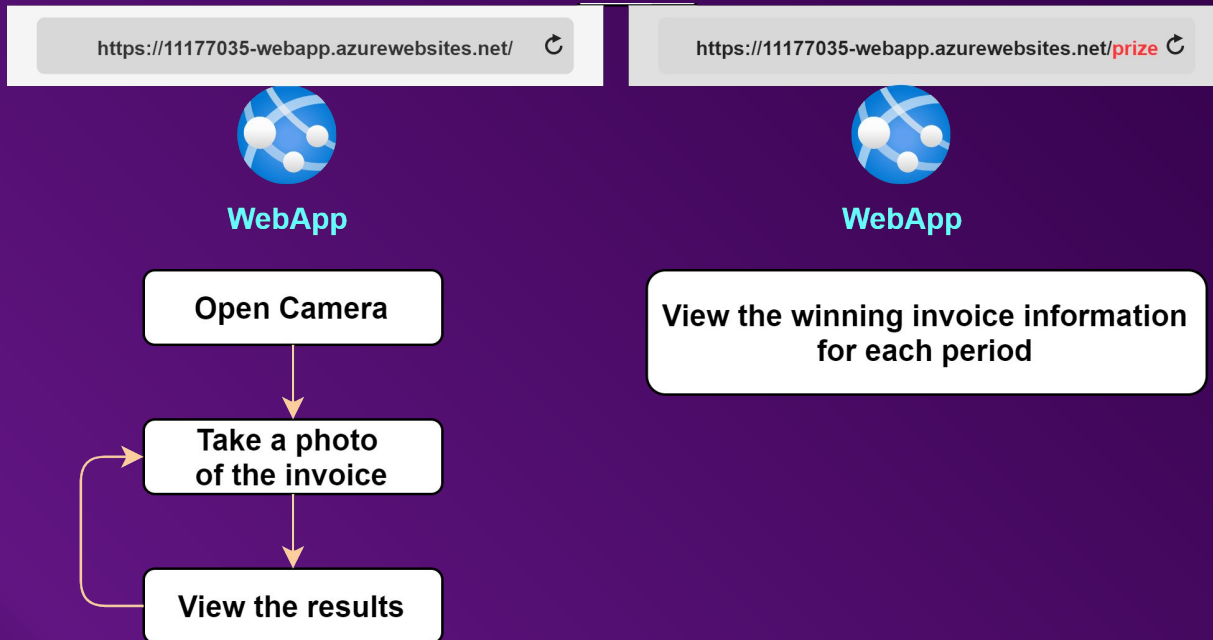


# 01 User Story



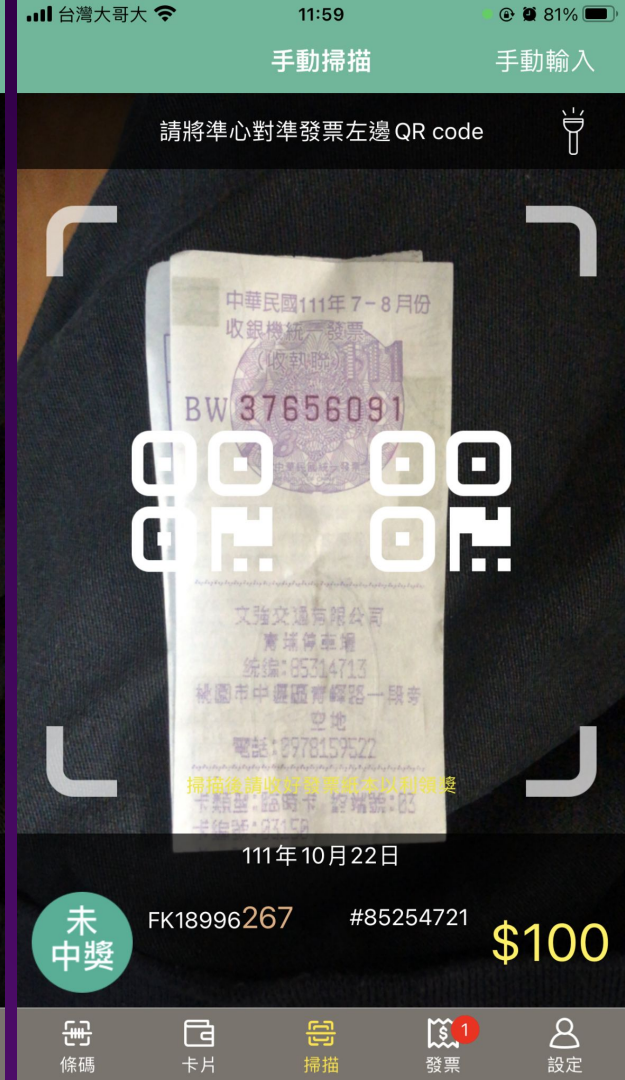
# User Story

- 當今的手機App無法同時掃描電子發票以及傳統發票，即使宣稱可以一起掃描，但使用上，在掃描各種發票時仍舊需要切換至不同App頁面，因此希望透過 Final Project，透過Azure提供的資源來整合這個功能。



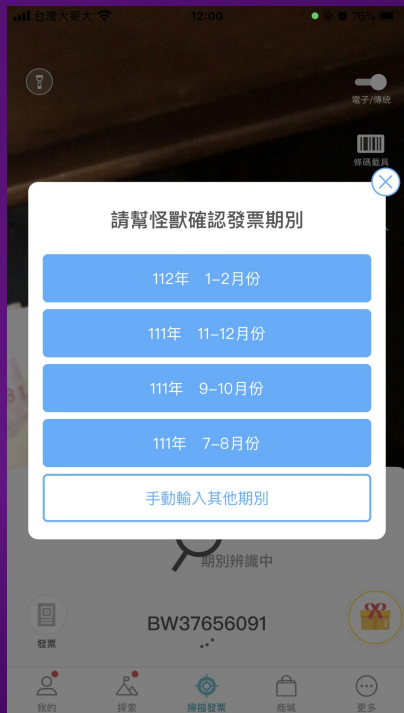


# 發票載具





# 發票怪獸

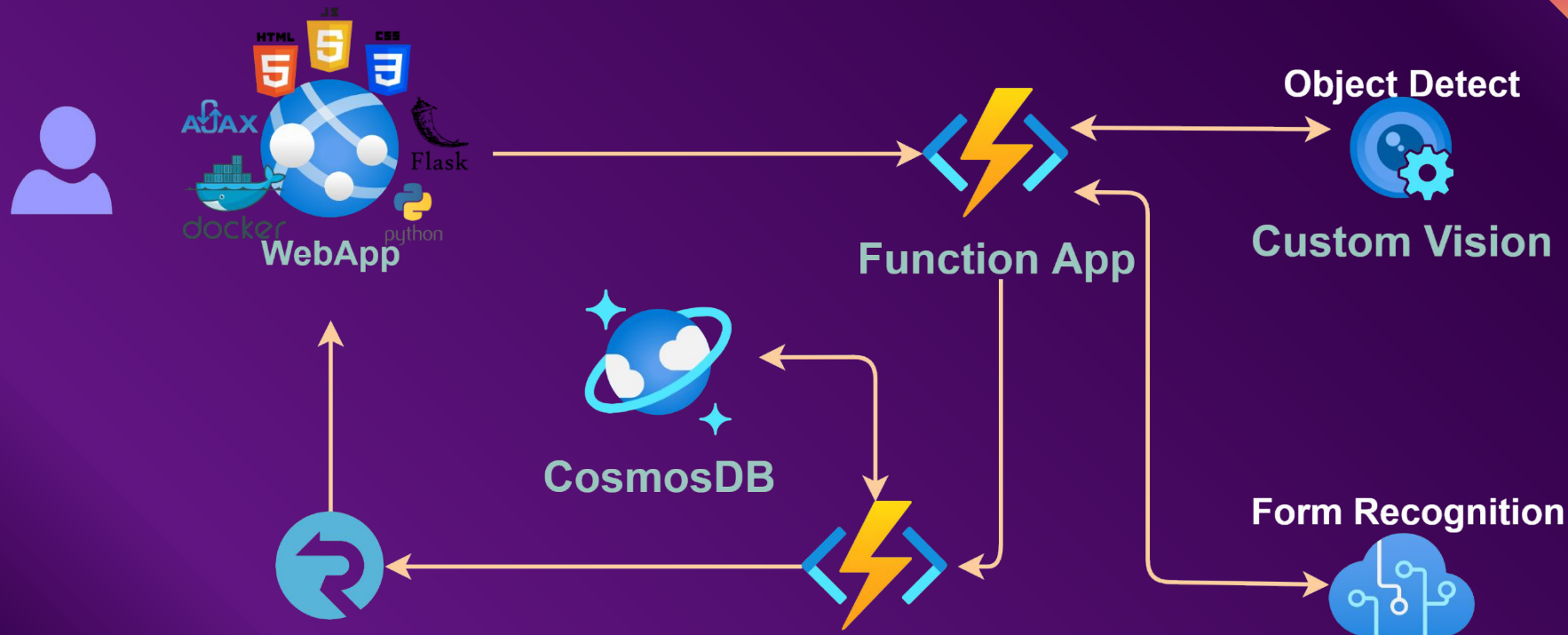




# 02 System Architecture



# System Architecture





# Resource

1. Web App Service
2. Function App
3. SignalR
4. CosmosDB
5. Cognitive Services
  - a. Custom Vision
  - b. Form Recognition Custom
6. Storage Account\*
7. Azure Container Registry\*
8. Azure VM (Ubuntu Server 20.04)\*

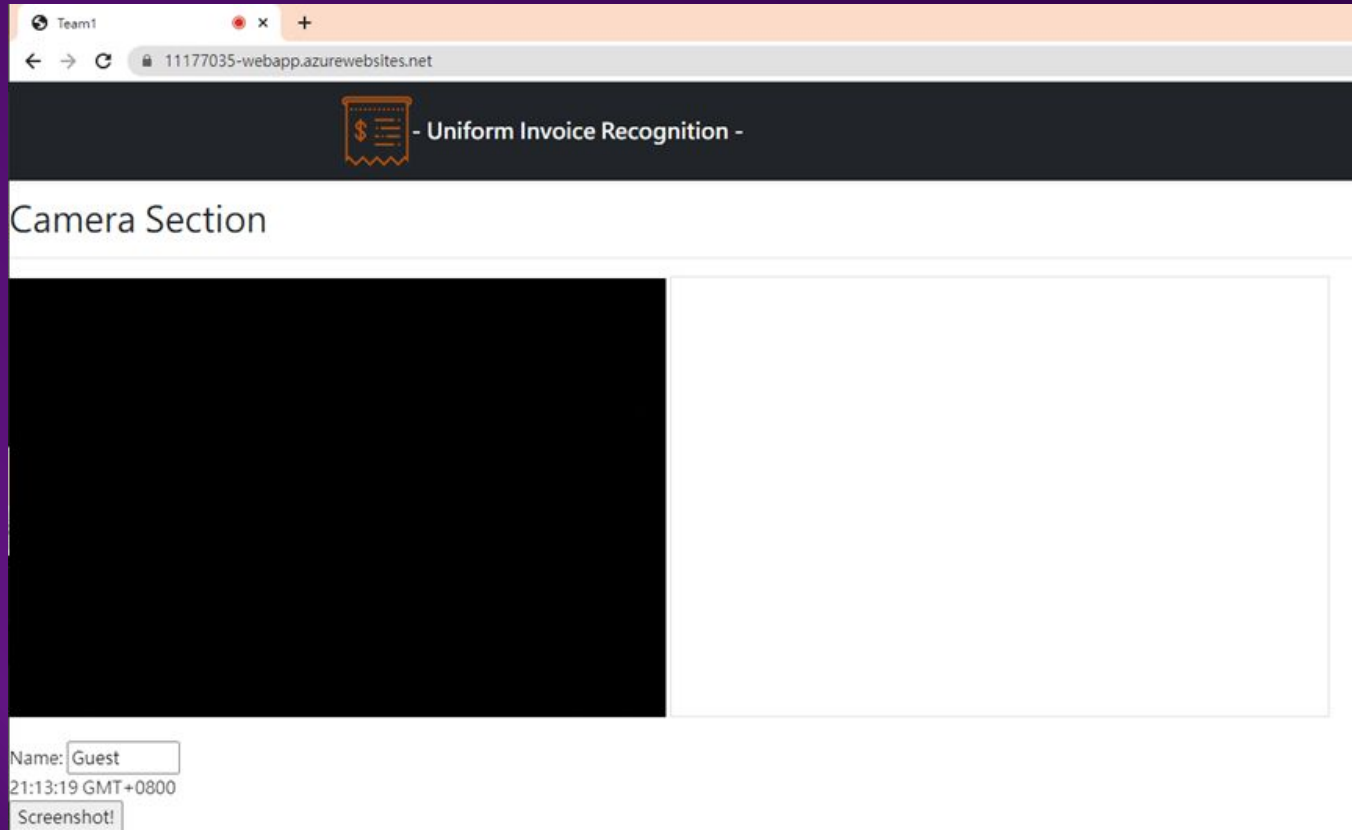




# 03 Demonstrate




# WebApp-CheckPage



# WebApp-CheckPage(Result1)

Team1 11177035-webapp.azurewebsites.net

## Camera Section



Name:

18:20:53 GMT+0800

## Check Results


Timestamp	Name	ReceiptType	InvoiceID	Result
18:20:07 GMT+0800	Guest	NEW	76443382	No Prize QQ

# WebApp-CheckPage(Result2)

00:46 Wed Jan 4

Team1

11177035-webapp.azurewebsites.net



Name:

00:46:24 GMT+0800

[Screenshot!](#)

## Check Results

Timestamp	Name	ReceiptType	InvoiceID	Result
00:45:56 GMT+0800	Guest	OLD	37654039	No Prize QQ



# WebApp-PrizePage

Prize Page



11177035-webapp.azurewebsites.net/prize

Abstract

當今的手機App無法同時掃描電子發票以及傳統發票，即使宣稱可以一起掃描，但使用上，在掃描各種發票時仍舊需要切換至不同App頁面，因此希望透過Final Project，透過Azure提供的資源來整合這個功能。

Team1 - Members

[11177034 - 王派霖](#)  
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 - Uniform Invoice Recognition - 

Uniform-Invoice Prize Winning Numbers

Date	Special Prize	Grand Prize	First Prize1	First Prize2	First Prize3	Additional Sixth Prize
2022_09-10	11174120	59276913	18079936	20591738	64500205	-
2022_07-08	05701942	97718570	88400675	73475574	53038222	-
2022_05-06	46438476	54769852	17858097	94045042	05236836	-
2022_03-04	32220402	99194290	16525386	28467179	27854976	-
2022_01-02	18927486	82050976	46596321	75704516	48632657	-
2021_11-12	31150905	28564531	05754219	52891675	45327106	252
2021_09-10	14872301	37250799	71086085	53645821	46626911	916
2021_07-08	52604932	20102509	39173725	34997398	98953723	634
2021_05-06	51118051	37385202	27461411	99831976	10229515	747
2021_03-04	59518250	81016847	22884739	80660537	62637675	187
2021_01-02	80325690	95201943	64613291	00581856	63105417	295



# 04 Cloud Properties



# Cloud Properties

Final Project運用了Azure Function與WebApp使得專題擁有以下屬性：

- Availability Reliability
- Accessibility Portability
- Scalability Elasticity

Azure 的應用基本提供了Availability, 透過SLA提供基於Azure 的資源擁有高可用性;前端的WebApp Service, 能使用瀏覽器進行瀏覽, 因此只要具備瀏覽器的裝置皆能使用此專題;

Azure Function使得應用可以部署在Azure上提供Function as a Service, 雲端供應商在後端會根據流量進行Scale in / Scale out。



# 05 Problem



# Face Problem

## Privacy and security

As an API that may involve significant privacy concerns, `getUserMedia()`'s specification lays out a wide array of privacy and security requirements that browsers are obligated to meet.

`getUserMedia()` is a powerful feature that can only be used in [secure contexts](#); in insecure contexts, `navigator.mediaDevices` is `undefined`, preventing access to `getUserMedia()`. A secure context is, in short, a page loaded using HTTPS or the `file:///` URL scheme, or a page loaded from `localhost`.

In addition, user permission is always required to access the user's audio and video inputs. Only a window's top-level document context for a valid origin can even request permission to use `getUserMedia()`, unless the top-level context expressly grants permission for a given `<iframe>` to do so using [Permissions Policy](#). Otherwise, the user will never even be asked for permission to use the input devices.



發票識別

Filter

Iteration

Workspace

Tags

Tagged

Untagged

Showing: all tagged images

Search For Tags:

☐ ELSE 34

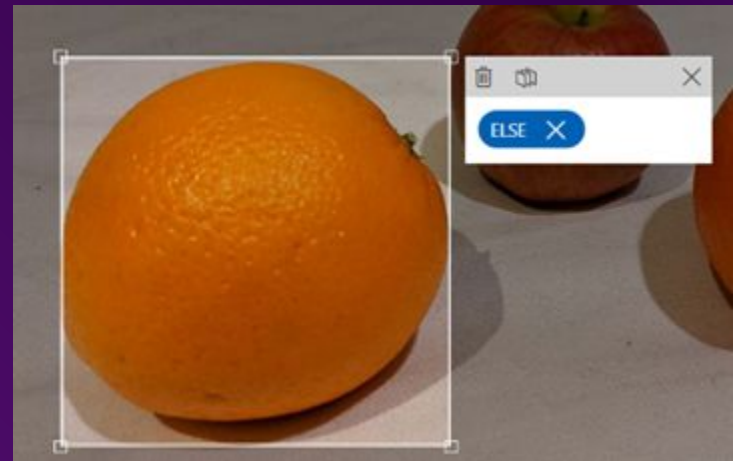
☐ NEW 210

☐ OLD 19

Add images

Delete

Select





form1



人



## Label data



Drag and drop  
document here  
or  
[Browse for a file](#)



20190524-110212...



628db5f2bc996.jpg



Region

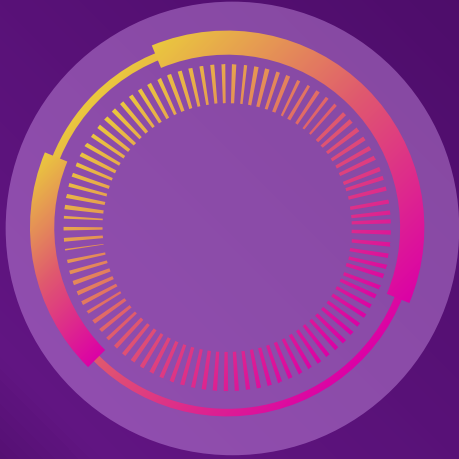


Invoice




 Invoice





Thanks for  
Listening!