



“Mobiliti, Gaya Hidup Pintar”

TRAINER: PN. ESMAWATY MOHAMAD

KANDUNGAN

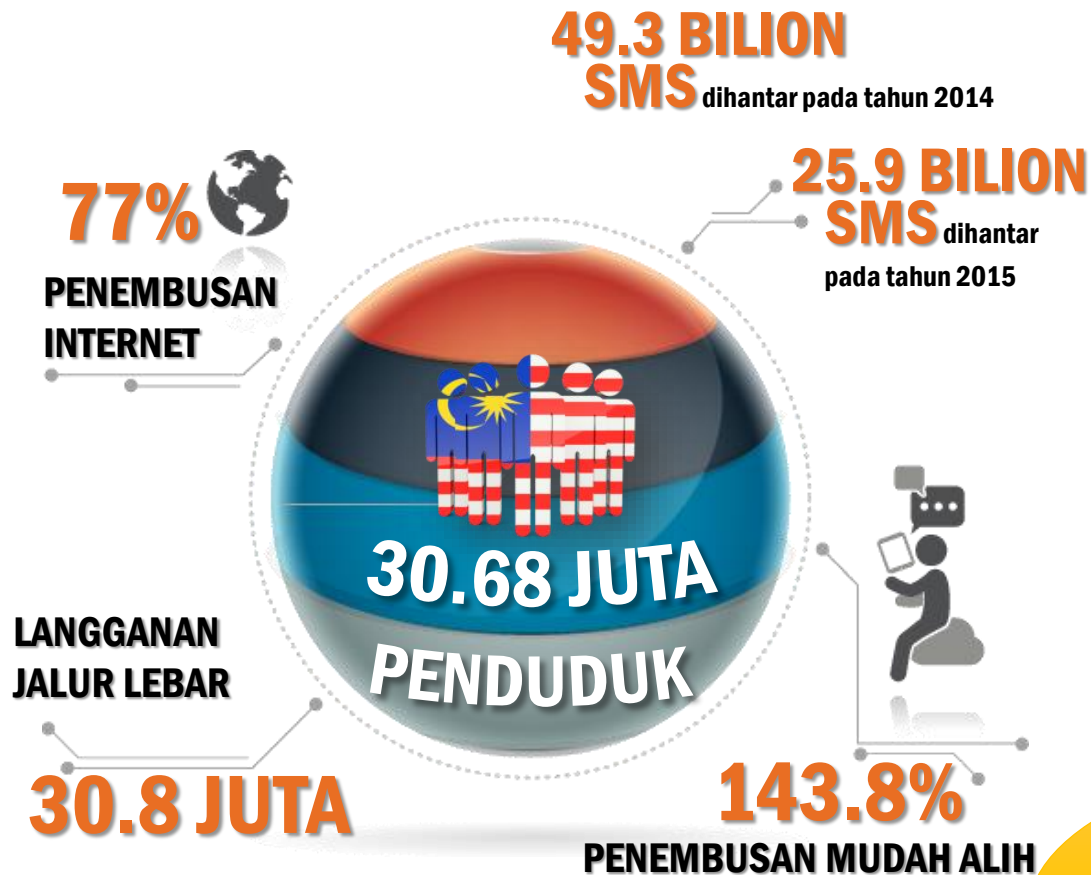
1. Latarbelakang
2. Pelaksanaan GAMMA
3. Pengenalan Pembangunan Aplikasi Mudah Alih
4. Tool Pembangunan Aplikasi Mudah Alih (AppGen)



Latar Belakang



Landskap Mudah Alih di Malaysia



Sumber: Komunikasi dan Media Buku Maklumat Statistik Q4 2015,
Suruhanjaya Komunikasi dan Multimedia Malaysia



MELAYARI INTERNET
>6.5 jam sehari



MENONTON TELEVISYEN
78 minit sehari



MENDENGAR RADIO
36 minit sehari



MEMBACA
AKHBAR/MAJALAH
20 minit sehari

AKSES KE INTERNET



VS



64% : 36%

Rakyat Malaysia kini sangat mudah untuk mengakses maklumat dan maklumat boleh diperolehi di hujung jari.

Sumber: Mindshare Research

Latar Belakang

Aplikasi Mudah Alih merupakan inisiatif Kerajaan Malaysia untuk mempelbagaikan saluran dan menambahbaik penyampaian perkhidmatan Kerajaan menerusi peranti mudah alih

- **Pembangunan Mobile Web** oleh Agensi Kerajaan
- **Pembangunan Perkhidmatan SMS** oleh Agensi Kerajaan
- **Pelaksanaan Projek myGov Mobile**



2007

2008
2009
2010

- **Pembangunan Gerbang SMS Kerajaan (mySMS 15888)**

2011
2012
2013

- **Peluasan myGov Mobile**



2014
2015
2016

- **Pelaksanaan 1Gov Appstore**



Pengenalan myGov Mobile

2011: Projek myGov Mobile bermula ...



*Komponen myGov Mobile

Gerbang Perkhidmatan Mobile Kerajaan:

- 1 Gerbang SMS Kerajaan (mySMS 15888)
- 1 Gerbang USSD Kerajaan (myUSSD *158#)
- 1 Gerbang MMS Kerajaan (myMMS 15888)
- 1 Gerbang Pembayaran (myPay)

Aplikasi mySMS 15888

Aplikasi myUSSD *158#

Aplikasi myMMS 15888

Aplikasi Mobile App (myApp)

Aplikasi myPay

Nota *:

- *USSD: Unstructured Supplementary Service Data*
- *SMS: Short Messaging Service*
- *MMS: Multimedia Messaging Service*

Pelaksanaan secara BOO:

- Pembangunan perkhidmatan mobile agensi ditanggung oleh Kerajaan.
- Pembangunan gerbang, pengoperasian dan penyenggaraan ditanggung oleh penyedia perkhidmatan.
- Penggunaan perkhidmatan ditanggung oleh orang ramai atau agensi Kerajaan.

Pelaksanaan GAMMA





Menyediakan Gudang/Galeri Aplikasi mudah alih yang selamat, dipercayai dan sah untuk digunakan oleh rakyat bagi mendapatkan perkhidmatan yang disediakan oleh agensi Kerajaan

Menyediakan tools/perisian yang mudah untuk membangunkan aplikasi mudah alih yang dapat membantu pegawai Kerajaan membangunkan aplikasi mudah alih perkhidmatan di agensi masing-masing sendiri

Objektif Projek

Inovasi perkhidmatan *online* kerajaan secara *mobile* mengikut perkembangan teknologi terkini dicapai oleh semua lapisan masyarakat pada bila-bila masa dan di mana sahaja

Mempelbagaikan saluran penyampaian perkhidmatan kerajaan untuk kemudahan rakyat

Pelaksanaan Rintis

Peneraju



Tempoh: 18 Bulan
(18 Ogos 2014 hingga 18 Feb 2016)

Agensi Perintis



Entiti Pelaksanaan



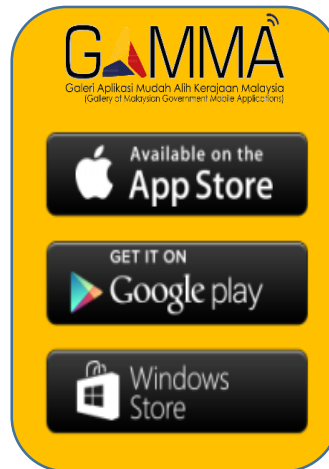
Peneraju



**Agensi Kerajaan
(Pembangun aplikasi)**



Latihan



**Rakyat
(Pengguna)**

Komponen GAMMA



Portal

Mobile



Cepat dan mudah



Mesra Pengguna



Percuma

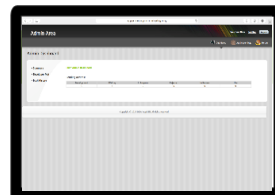
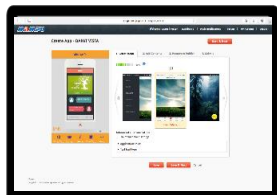


Sesuai Pelbagai Peranti Pintar



Pembangun

Admin



Mencipta aplikasi mudah alih dengan hanya beberapa langkah

Pengurusan dan penyenggaraan aplikasi menjadi lebih mudah



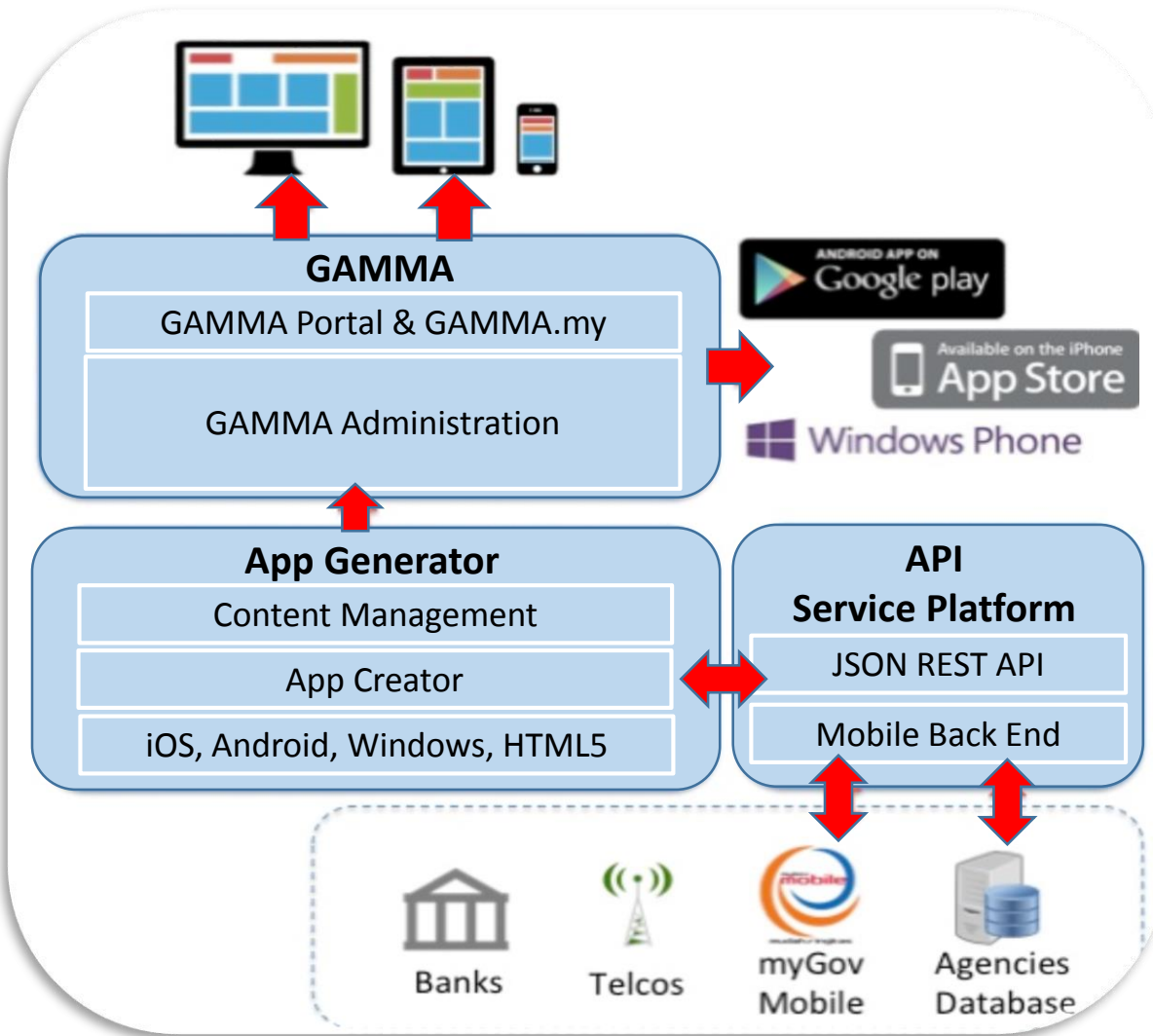
Penguji aplikasi secara *real-time*

Perkongsian projek mudah alih



Ruang perbincangan pembangun

Arkitektur



Portal GAMMA

Katalog dan pengurusan aplikasi

App Generator

Tool pembangunan aplikasi mudah alih

Kandungan

Menyediakan kandungan dan integrasi data

Portal GAMMA

<http://gamma.malaysia.gov.my>

105 Apps

740,499 Muat Turun

GAMMA.my



Dipercayai, Selamat, Sahih

Aplikasi / *Launcher* GAMMA

The screenshot shows the Google Play Store page for the GAMMA.my app. At the top, there's a search bar and a 'Login' button. Below the header, the app's icon (a stylized 'G' with yellow, red, and blue triangles) is displayed next to the text 'GAMMA.my' and 'Lifestyle'. The app has a 4.5-star rating and 15 reviews. To the right, there are 'Install' buttons for iOS, Android, and Windows, along with 'Share' buttons for Google+, Facebook, and Twitter. Below this, the 'Additional Information' section lists the category as 'Lifestyle', the developer as 'Unit Pemodenan Tadbiran dan Perancangan Pengurusan Malaysia (MAMPU)', and the total downloads as 1888. A 'Screenshots' section is visible, showing three preview images of the app's interface. The first image shows a user profile and a list of apps. The second image shows a grid of app icons. The third image shows a search results page with a 'Download' button.

GAMMA.my
Lifestyle
★★★★★
15

Install
iOS Android Windows
Share
Google+ Facebook Twitter

Additional Information
Category
Lifestyle
Developer
Unit Pemodenan Tadbiran dan Perancangan Pengurusan Malaysia (MAMPU)
Total Downloads
1888

Screenshots
Phone Android



Kelebihan GAMMA



Faedah GAMMA kepada Rakyat

Penyebaran maklumat kerajaan kepada rakyat dengan cepat, mudah dan meluas



Peningkatan kesedaran rakyat terhadap perkhidmatan mudah alih kerajaan



Mudah membuat carian



Menjimatkan kos



Menjimatkan Masa

Promosi GAMMA



TV Commercial



Montaj



Advertorial
Akhbar



Wawancara
Radio



Pamphlet



Bunting

Pengenalan Pembangunan Aplikasi Mudah Alih



Kriteria Pembangunan Aplikasi Mudah Alih

01



Siapakah yang akan menggunakan aplikasi kita?

02



Dimana dan bila aplikasi mudah alih digunakan?

03



Apa yang pengguna boleh lakukan dengan aplikasi kita?

04



Adakah aplikasi kita dapat membantu pengguna untuk mendapatkan maklumat?

OBJEKTIF PEMBANGUN APLIKASI MUDAH ALIH

“ Aplikasi mudah alih
haruslah memenuhi
keperluan

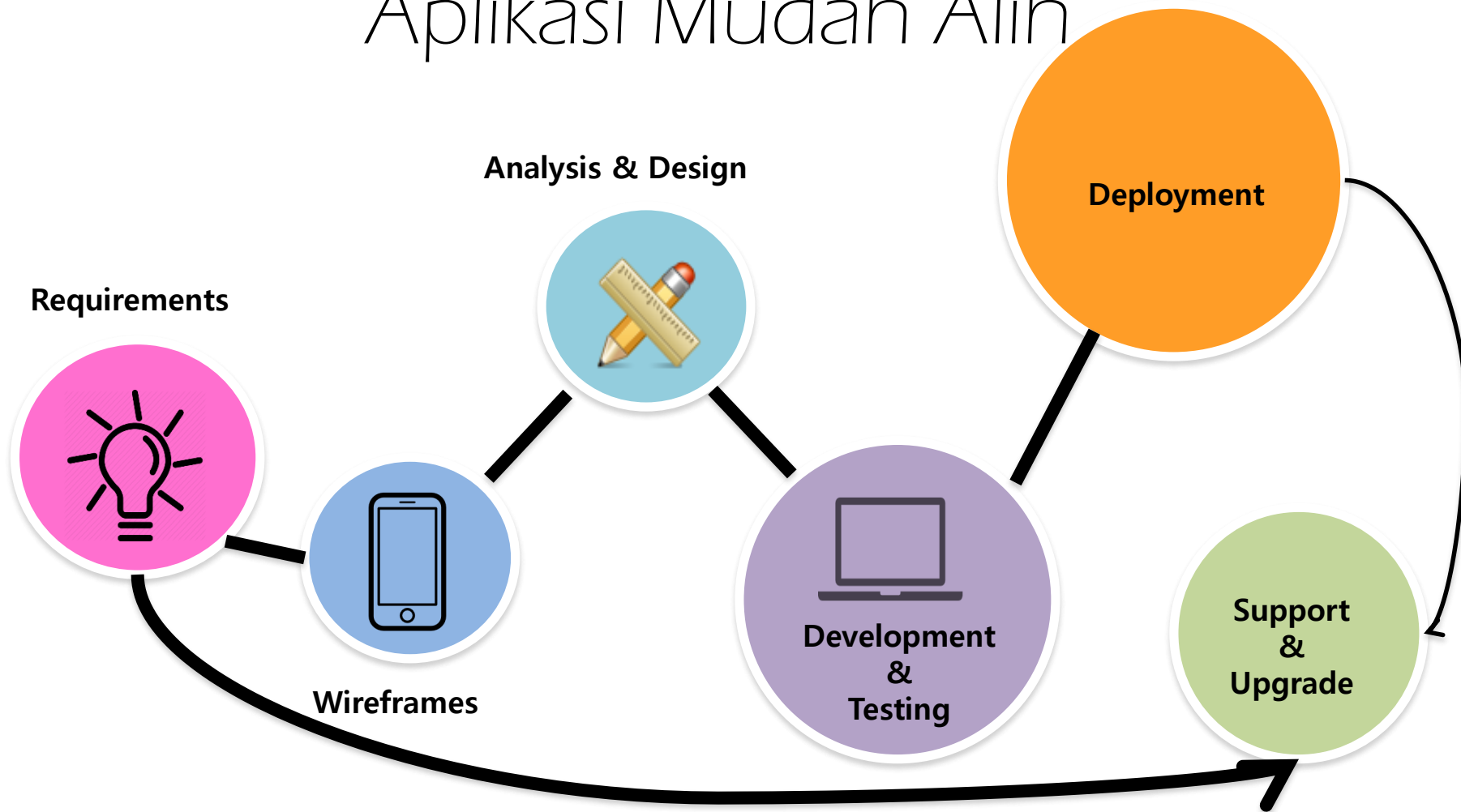
pengguna

rakyat ”

atau



Proses Pembangunan Aplikasi Mudah Alih



User Experience



Tool Pembangunan Aplikasi Mudah Alih (AppGen)



Pengenalan App Generator (AppGen)

App Builder Tool dalam talian yang berada di cloud PDSA dicapai oleh browser.

01

Mudah dan cepat membangunkan app dengan Guided steps

02

CMS untuk penyelenggaraan content dan data

03

Integrasi dengan data melalui web services

04

Kelebihan AppGen

01

Dapat membangunkan app menggunakan Native Cross Platform dengan mudah

02

Penyelesaian masalah pelbagai platform (fragmentation)

03

Memastikan kandungan aplikasi sentiasa dikemaskini dan diselenggara dengan mudah

Skop AppGen



Konsep Pembangunan

4 LANGKAH ASAS



Ciri-ciri Appgen

01

Templat sedia ada
(*app builder*)

Rapid Development'

02

03

Menyokong 3 platform
(*iOS, Android & Windows Phone*)

*Kemaskini kandungan
secara "On-the-fly"*

04

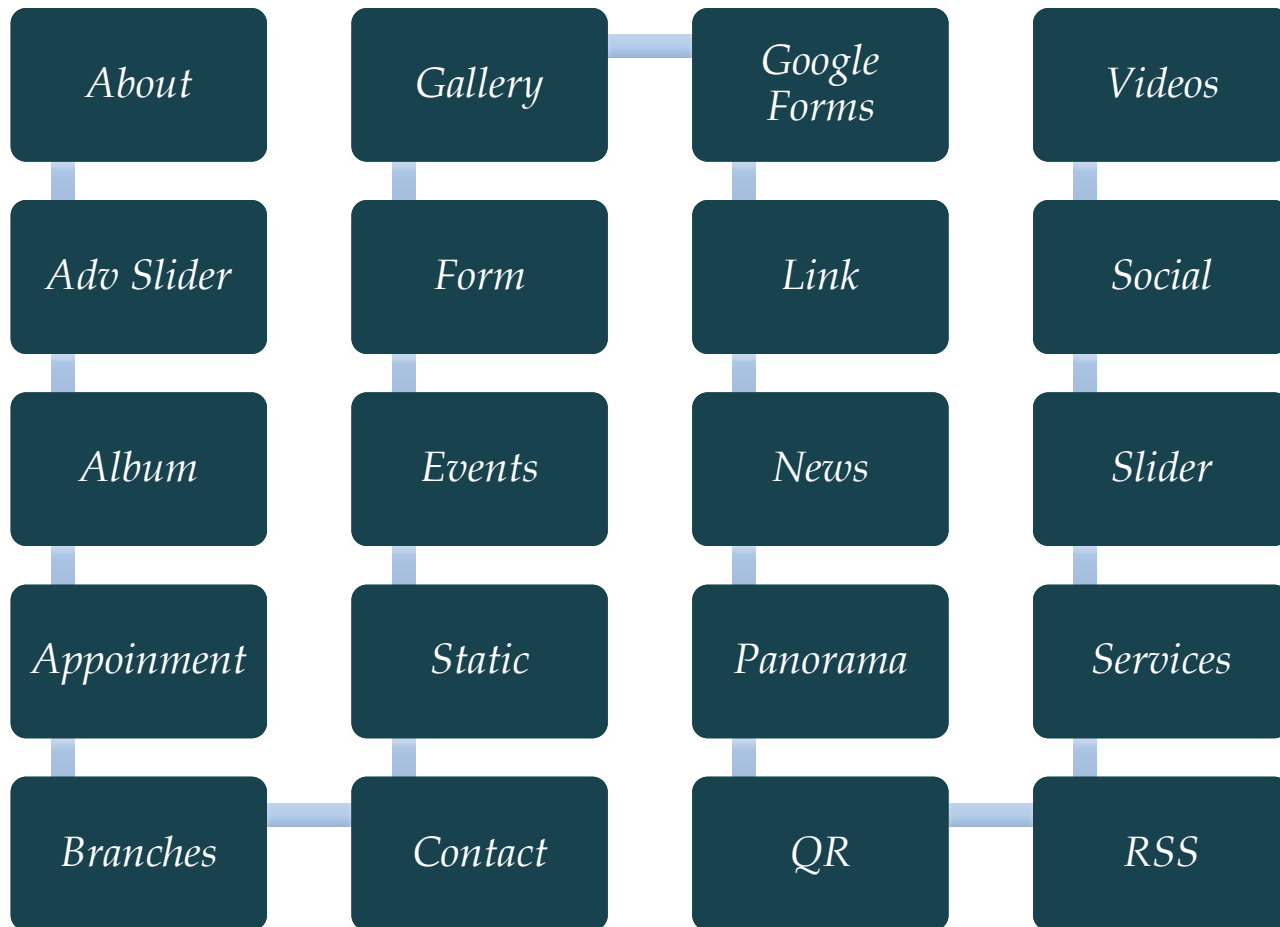
05

Pengaturcaraan yang minima

Penyelenggaraan aplikasi
yang mudah

06

Plugin AppGen



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About

Designed to display information on business, organisation or this app

Screenshots

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Adv Slider

Display promotional image or poster in an animated slide show when app is launched

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Screenshots



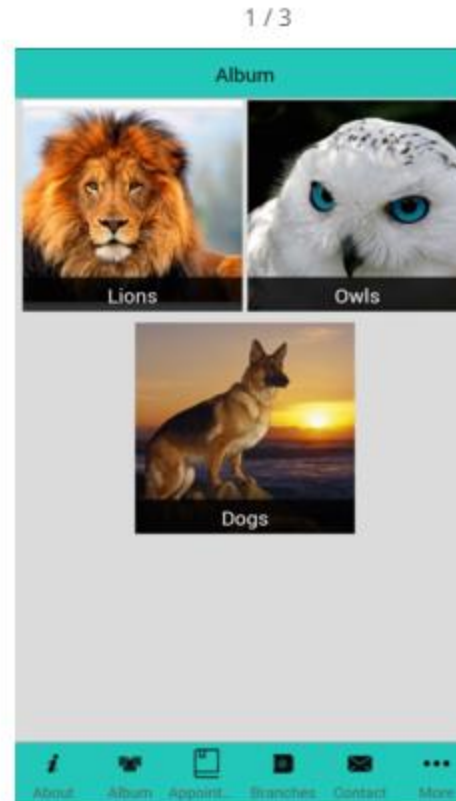
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Album

Organise your images in albums to present to the app users

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Appointment

Set types of appointments available related to the business or nature of the app

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Screenshots

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Appointment

Name

Telephone No.

Please select

Date:

Year Month Day

Message

Submit

About Album Appoint. Branches Contact More

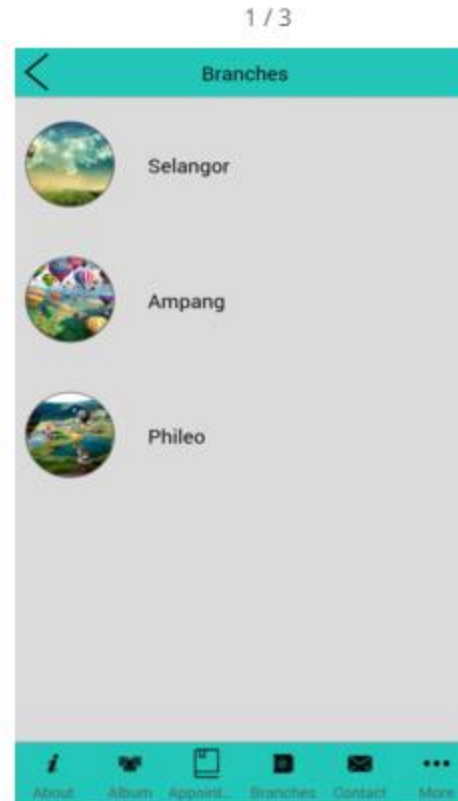
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Branches

Designed to display location of all branched business or related places

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Screenshots



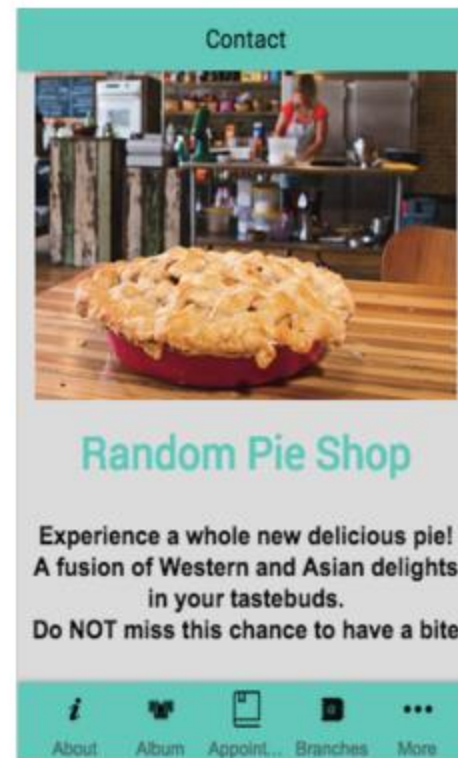
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Contact

Display main location of the Business/ Organisation and its contact information

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Screenshots

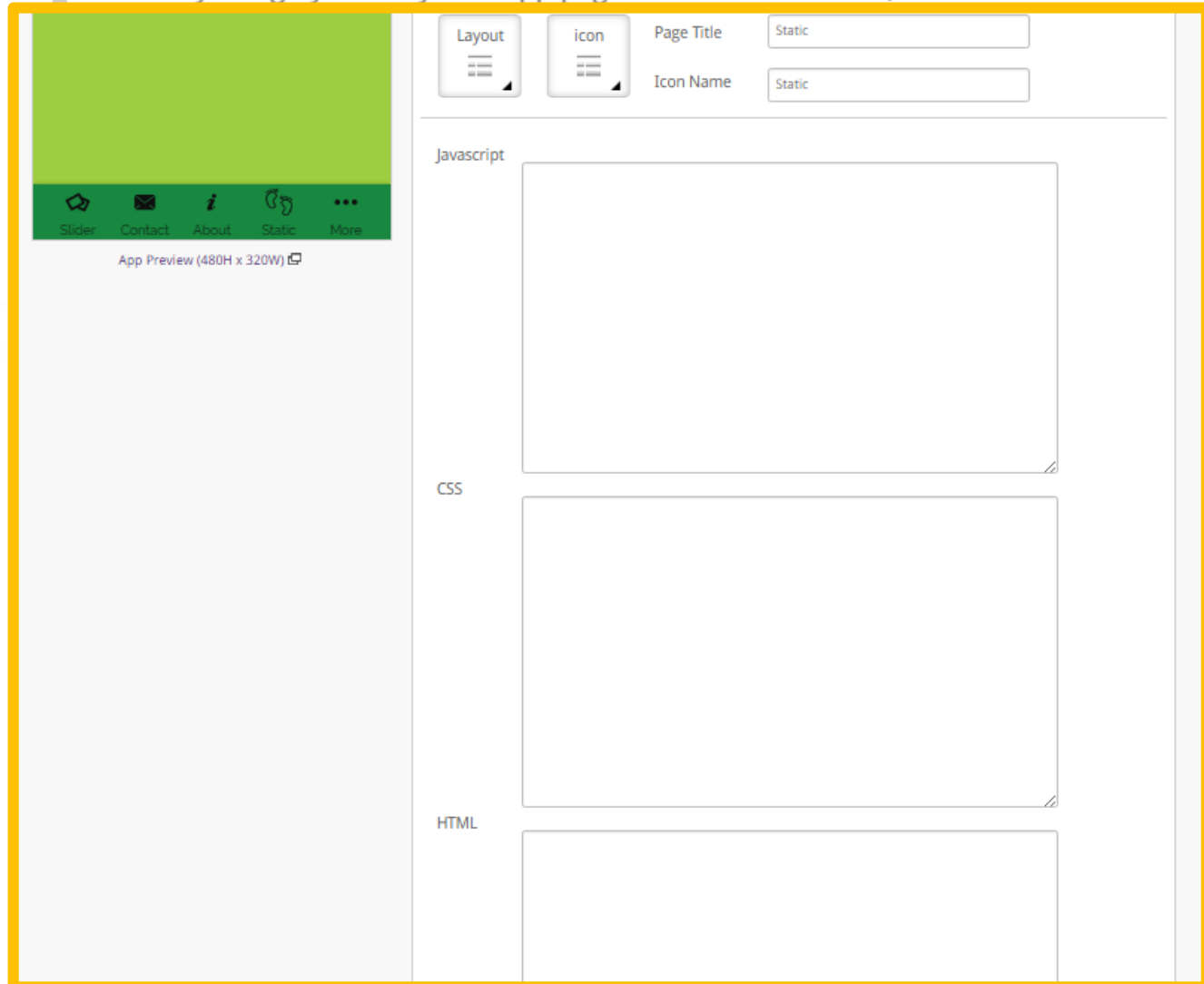


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Static

Freely design your very own app page/ module with HTML,

Add this Feature



The interface shows a configuration screen for the 'Static' feature. On the left, a sidebar lists various app features, with 'Static' highlighted. The main area contains a preview of the app page, which has a green header and a dark green navigation bar with icons for Slider, Contact, About, Static, and More. Below the preview is a label 'App Preview (480H x 320W)'. To the right of the preview are configuration options: 'Layout' (a dropdown menu), 'icon' (a dropdown menu), 'Page Title' (a text input field with 'Static' entered), and 'Icon Name' (a text input field with 'Static' entered). Below these are three large text areas for 'Javascript', 'CSS', and 'HTML' code.

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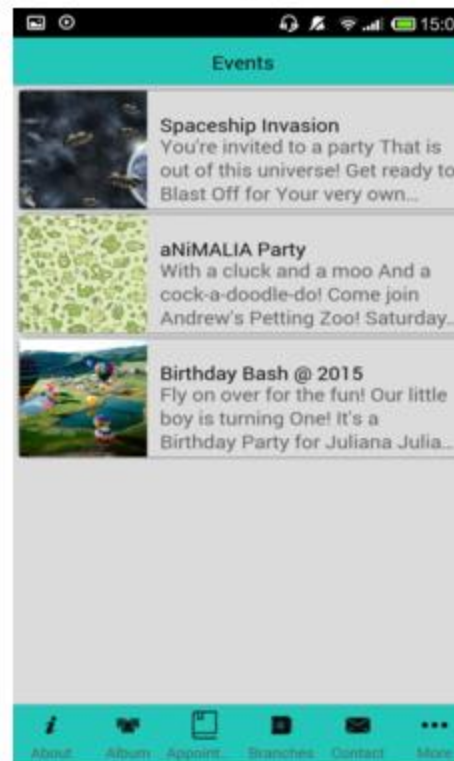
Events

Organise and display your event in app by providing a short description, date, location and an attractive image

Add this Feature

Screenshots

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Form

Create your own form with various field type provided and customize the label name

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Screenshots

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The screenshot shows a mobile application interface for a form. At the top, there's a teal header bar with the title "Form". Below the header, there are six text input fields stacked vertically, each with a placeholder label: "Email Address", "Name", "Age", "Address", "Contact Number", and "IC Number". At the bottom of the form area is a teal "Submit" button. The entire form is set against a light gray background. Above the form, there are two large, light gray, semi-transparent arrow icons pointing left and right. At the very bottom of the screen is a teal navigation bar with icons and labels for "About", "Album", "Appoint...", "Branches", "Contact", and "More". The status bar at the top of the phone shows various icons and the time "15:18".

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Gallery

Displays images uploaded

Add this Feature

Screenshots



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Google Forms

Links to Google Form created in Google Drive

Add this Feature

Screenshots

1 / 2



The screenshot shows a Google Form titled "Food Survey". It contains three questions, each with radio button options:

- Question 1: "How many times a day do you have your meal?" with options: 3, 2, 1, and more than that!
- Question 2: "Do you feel hungry after an hour or less after a meal?" with options: yes and no.
- Question 3: "This is random, do you like pie?" with options: yes and no.



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Link

Design to display links to various types of webpages

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Screenshots



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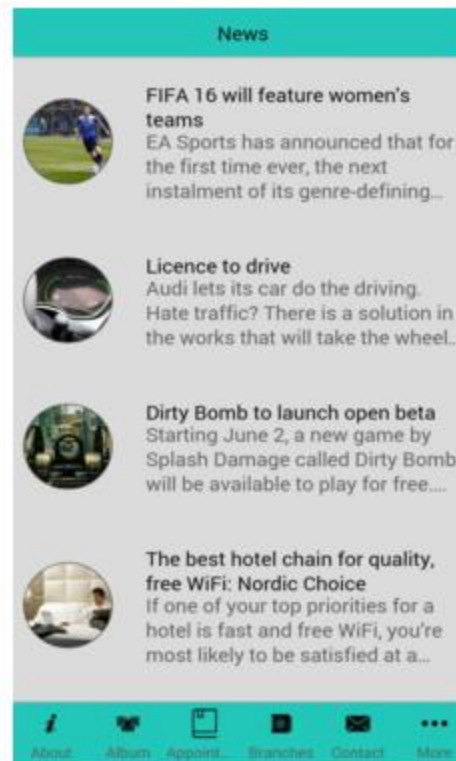
News

Specially designed to display latest news items from organisations

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Screenshots

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Panorama

Snap and upload pictures of top, bottom, right, left, front and back to experience 360 panoramic view of the surrounding

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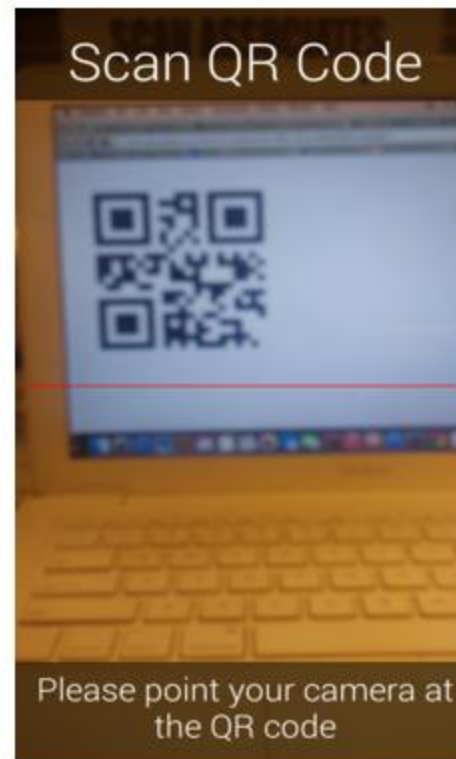
QR

Snap QR image provided in app, to be directed to email, description, call or link

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Screenshots

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RSS

Link your RSS feeds to automatically update the app users with current issues

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Screenshots

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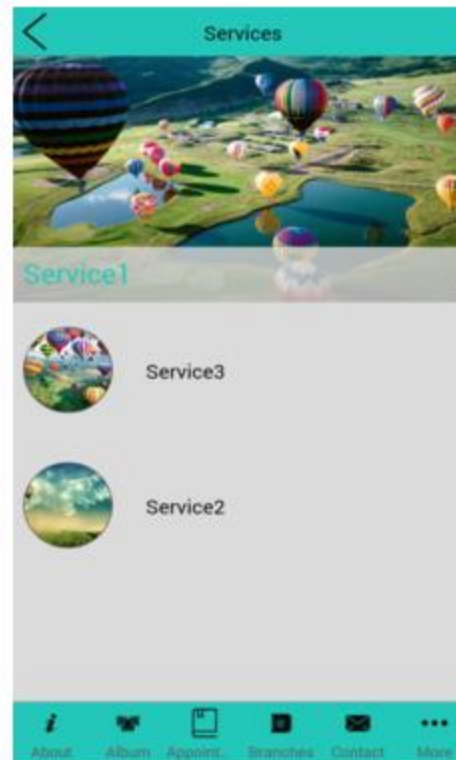
Services

Designed to present your products, services, events and etc

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Screenshots

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Slider

Representation of slides of images with description

Add this Feature

Screenshots

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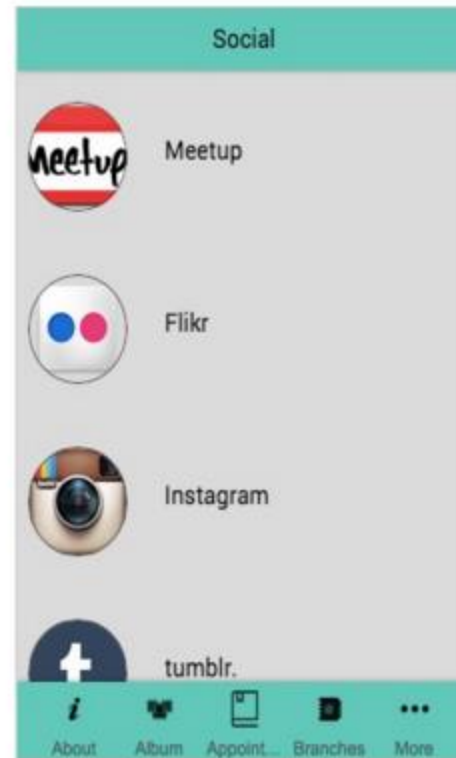
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Social

Designed to link all your social web pages

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Screenshots



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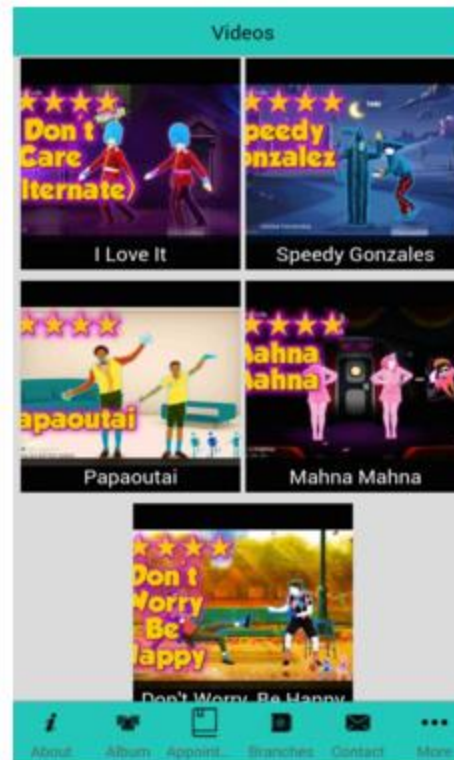
Videos

A simple way upload your youtube videos to be viewed in app

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Screenshots

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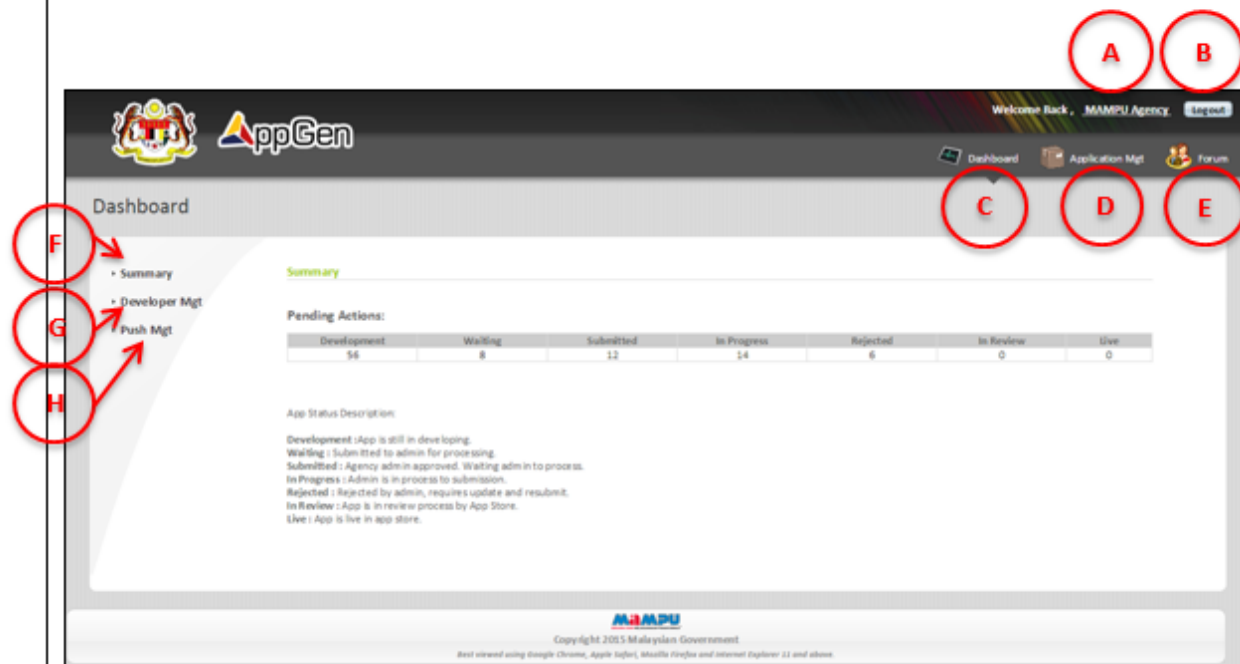


Admin Dashboard

ACTION

- 1) After successfully Login, **Dashboard** main page will be displayed as side table:
- 2) The following items are being displayed on the main page:
 - A. Header : Username link
 - B. Header : Logout button
 - C. Header : Dashboard tab
 - D. Header : Application Mgt tab
 - E. Header : Forum tab
 - F. Left menu : Summary tab
 - G. Left menu : Developer Mgt tab
 - H. Left menu : Push Mgt tab

VIEW



Developer Dashboard



Welcome faraDevelopment | Dashboard | Push Notifications | Forum | My Account | Logout

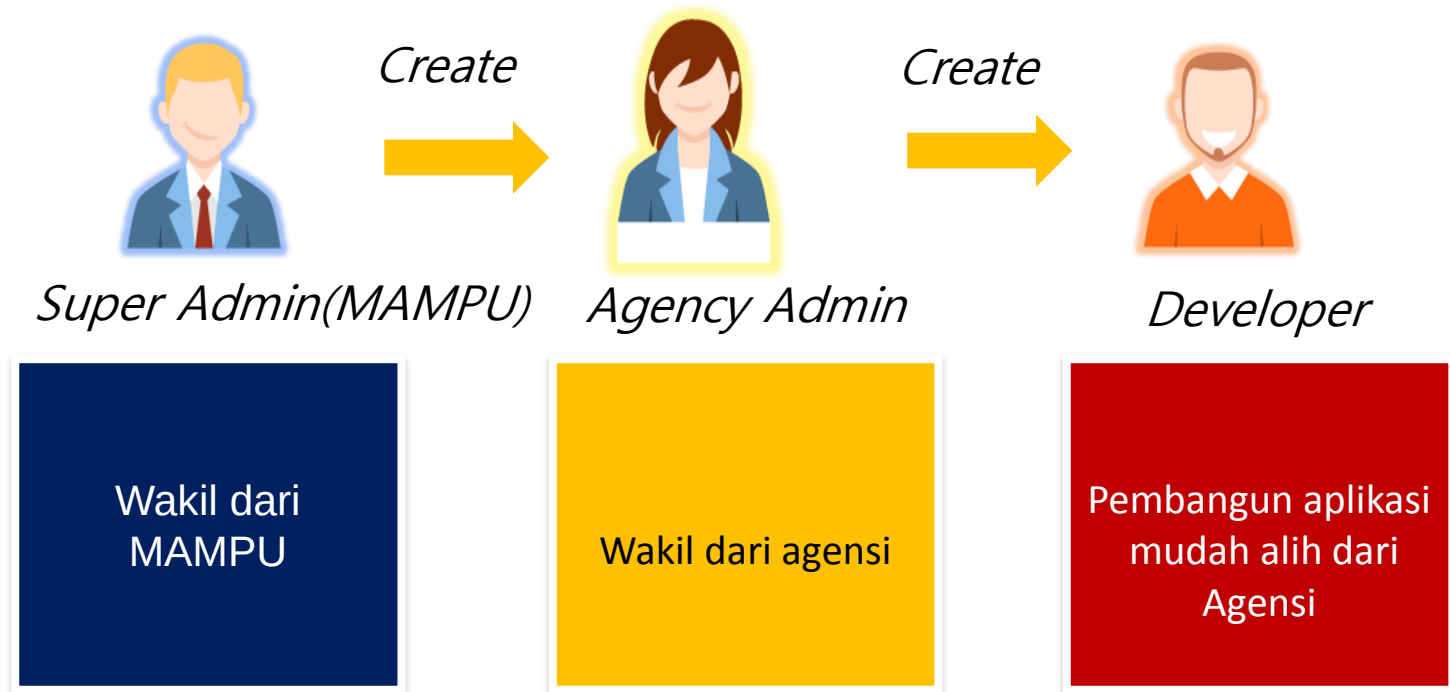
Dashboard

Create App

Below you will see a list of your applications. To create a new app, please click on the "Create App" button and follow the instructions.

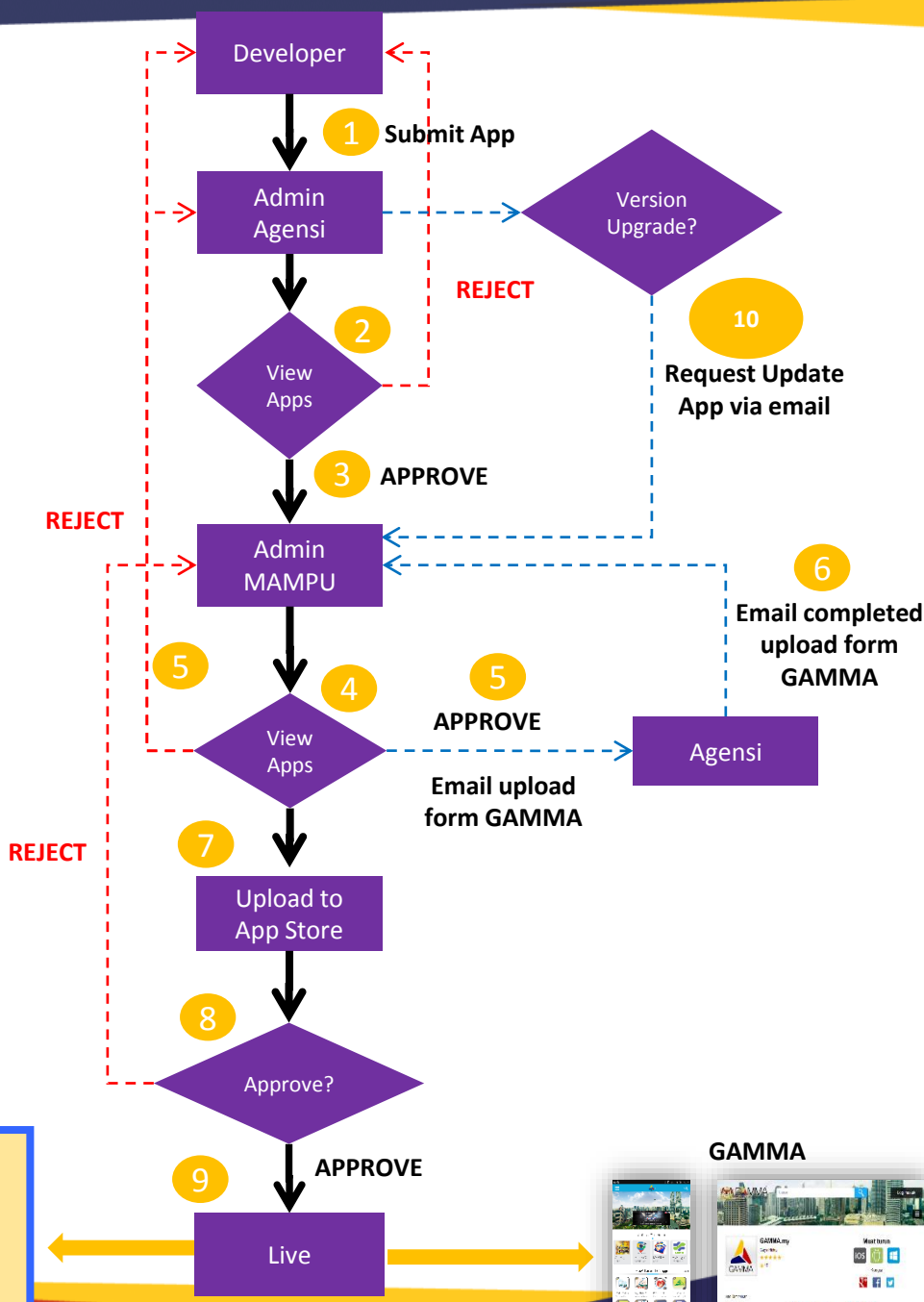
App Name	App Status ?	Update Time	Action
UN	Development Development Development	2016-03-07 16:31	Update Delete Request Debug APK Leave Note
training#011	Rejected Rejected Rejected	2016-03-07 09:34	Update Delete Request Debug APK Leave Note
training#02	Rejected Rejected Rejected	2015-11-05 14:59	Update Delete Request Debug APK Leave Note
training#03	Rejected Rejected Rejected	2015-11-04 14:16	Update Delete Request Debug APK Leave Note
training#04	Rejected Rejected Rejected	2015-10-23 14:45	Update Delete Request Debug APK Leave Note
training#05	Rejected Rejected Rejected	2015-10-21 14:05	Update Delete Request Debug APK Leave Note

Pengurusan AppGen



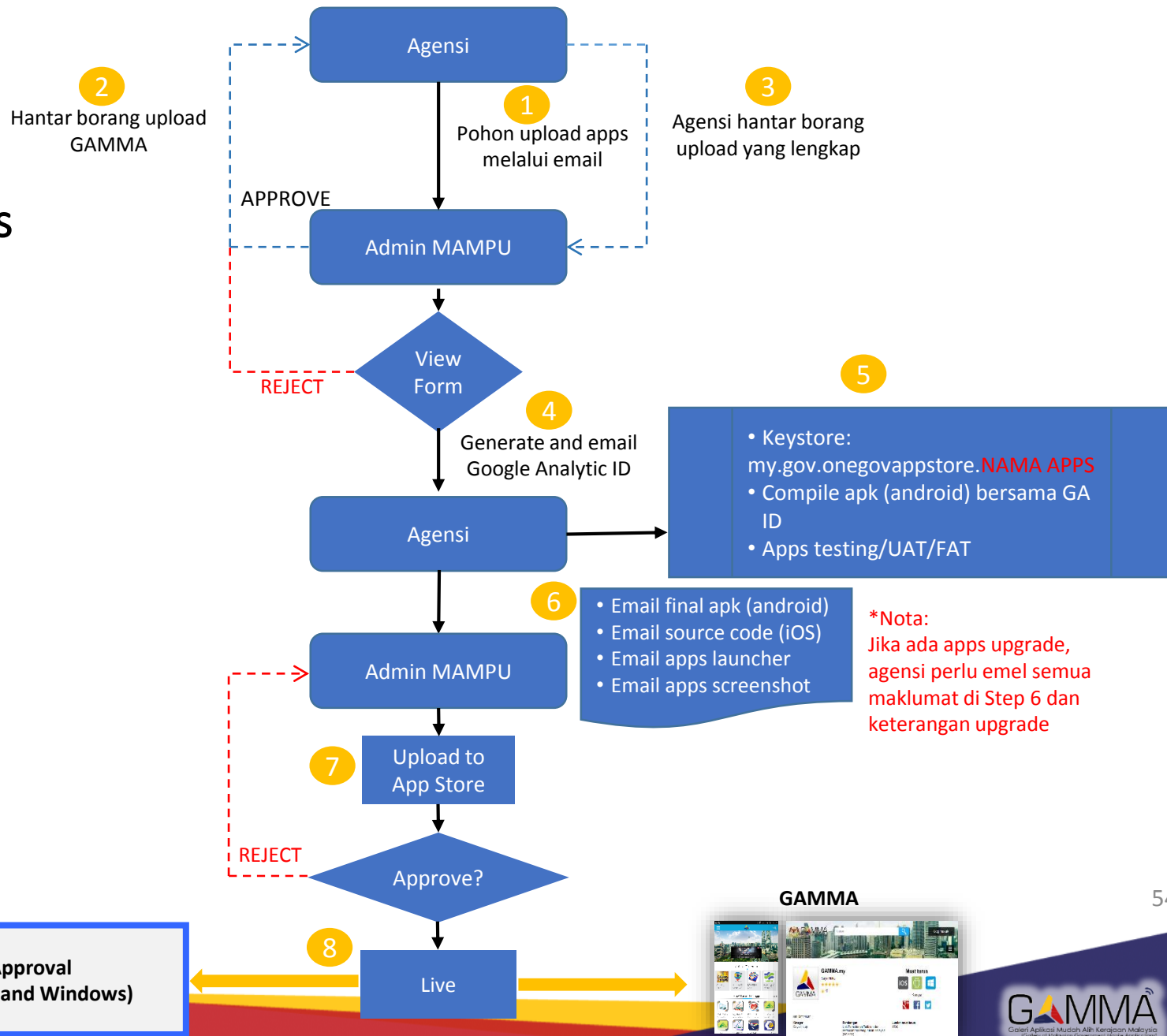
supports-gamma@mampu.gov.my

Prosedur 1:
Muat Naik Apps
Melalui APPGEN



Prosedur 2: Muat Naik Apps ke GAMMA (3rd Party)

Apps dibangunkan
menggunakan tools
selain AppGen



Prosedur 3:

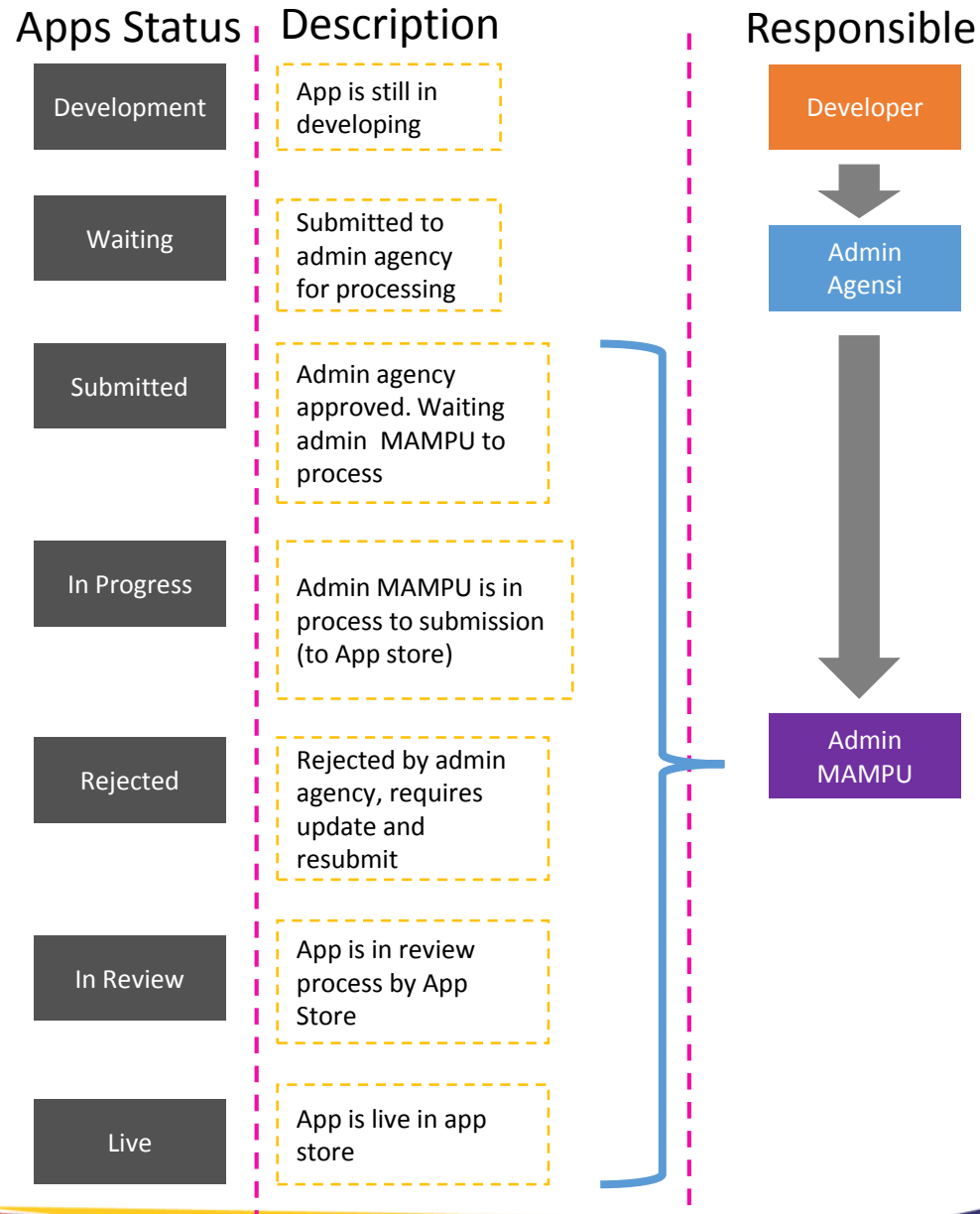
Muat Naik Link Apps Agensi ke GAMMA (3rd Party)

Apps dibangun menggunakan tools selain AppGen dan telah dimuatnaik ke store

Apps dibangun menggunakan tools selain AppGen dan telah dimuatnaik ke store



Status Apps dalam AppGen



Peranan Dalam App Generator

No.	Keterangan	Developer	Agency Admin	Super Admin
1.	Role	Developer(s) or end user of App Generator from respective agency	Administrator of respective agency	The Super Administrator (MAMPU)
2.	User Management (to register / unregistered user)	X	✓	✓
3.	Create, design, edit and maintain the mobile application	✓	X	X
4.	App's submission	✓	✓	✓
5.	App's review (review content, approve or reject)	X	✓	✓
6.	Able to download the source code of app	X	X	✓
7.	Able to receive APK of respective app for debug and testing purposes	✓	✓	✓
8.	App submission to Super Admin	X	✓	-
9.	To publish app in Google Play, iTunes and windows Store	X	X	✓
10.	To publish app in GAMMA	X	X	✓
11.	To monitor/administrate progression of app's creation	X	✓	✓
12.	Able to send message using Push notification for the published app	X	✓	✓
13.	Able to view history of push notification messages	✓	✓	✓
14.	Able to access to Forum	✓	✓	✓
15.	Able to create/update/delete topic in forum	X	X	✓
16.	Able to post/reply messages in forum	✓	✓	✓
17.	Able to edit/delete threads/messages	Own thread only	-	✓
18.	To administrate forum	X	X	✓

Service Level Agreement GAMMA

1

**Kelulusan Admin
AppGen Agensi
dalam tempoh 3
hari bekerja**



2

**Semak dan uji Aplikasi
Dalam Tempoh 2 Hari
Bekerja Selepas selepas
dokumen lengkap
diterima dari agensi**





BERSAMA-SAMA MELAKSANAKAN TRANSFORMASI

Supports-gamma@mampu.gov.my