PWA

WHAT IS PWA?

PROGRESSIVE

RESPONSIVE

CONNECTIVITY INDEPENDENT

APP-LIKE

FRESH

SAFE

DISCOVERABLE

RE-ENGAGEABLE

INSTALLABLE

LINKABLE

SERVICE WORKER

Act as proxy servers

Enable the creation of effective offline experiences

Intercepting network requests

Push notifications

Background sync

- has no DOM access
- runs on a different thread
- only runs over HTTPS

SW LIFECYCLE

REGISTRATION

```
navigator.serviceWorker.register('/sw.js').then(
  (registration) => {
    // successful registration
    // registration typeof ServiceWorkerRegistration
  },
  (error) => {
    // error
  }
);
```

REGISTRATION SCOPE

Relative to the page's location as its base

```
// example.com/product/description.html
// => example.com/product
navigator.serviceWorker.register('/sw.js', { scope: './'})

// example.com/product/description.html => example.com/demo
navigator.serviceWorker.register('/sw.js', { scope: '/demo'})
```

INSTALLING

```
self.addEventListener('install', (event) => {
  // setup worker-specific resources such a offline cache
});
```

ACTIVATING

```
self.addEventListener('activate', (event) => {
  // finish the setup or clean other worker's related
  // resources like removing old caches
});
```

FETCH EVENT

The event is fired every time the web page makes a request

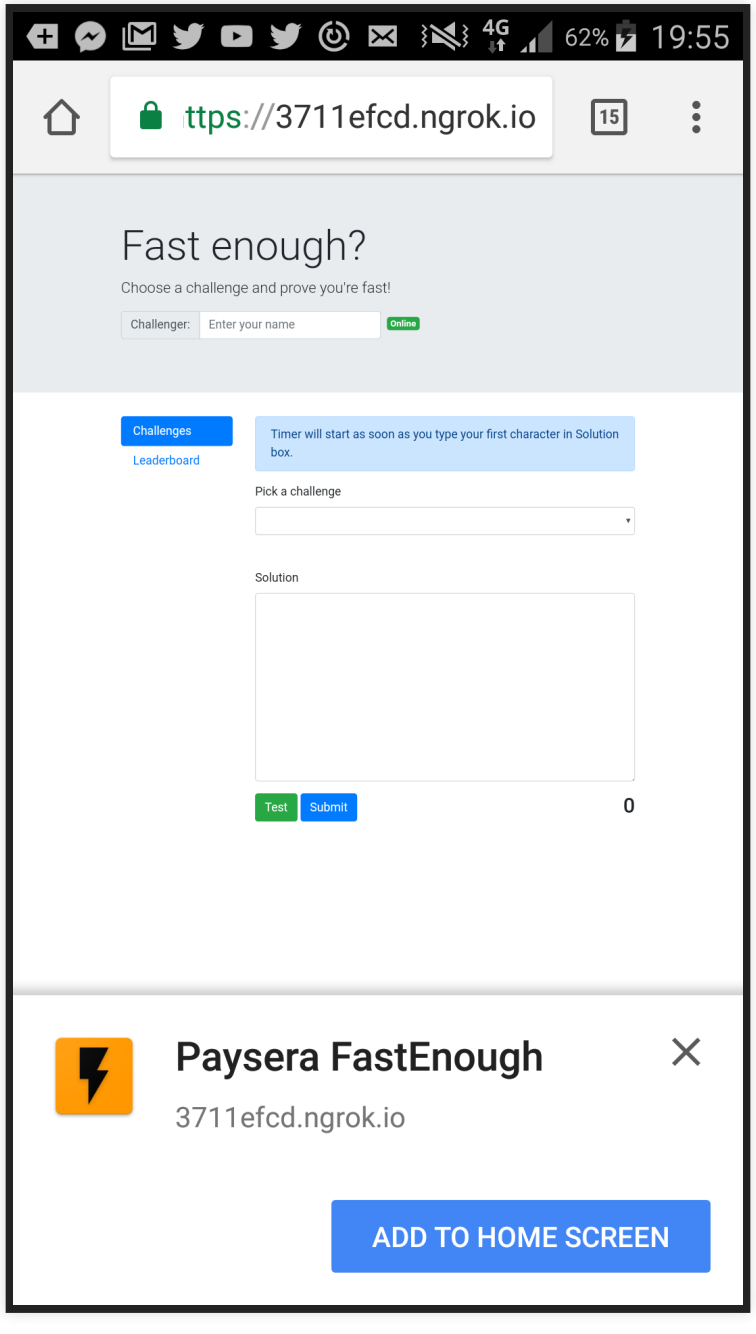
```
self.addEventListener('fetch', (event) => {
  event.respondWith(
    fetch(event.request).catch(() => {
      return caches.match(event.request);
    })
  );
});
```

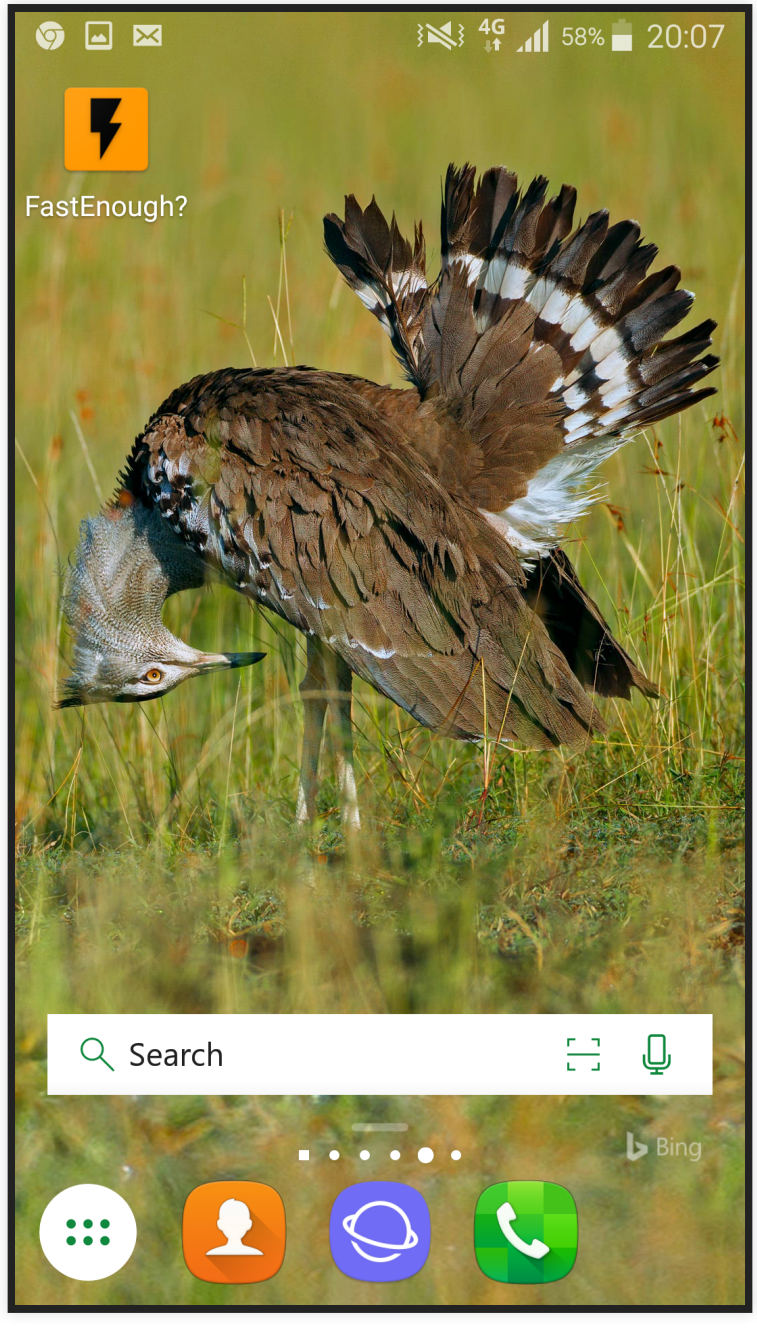
ADD TO HOME SCREEN (A2HS)

WEB APP MANIFEST

```
<!-- ... -->
<head>
  <link rel="manifest" href="manifest.json">
</head>
<!-- ... -->
```

```
{
 "background_color": "#007bff",
 "description": "My PWA APP",
 "display": "fullscreen",
 "icons": [{
  "src": "icon/fox-icon.png",
  "sizes": "192x192",
  "type": "image/png"
 }],
 "name": "Paysera FastEnough Workshop",
 "short_name": "FastEnough?",
 "start_url": "/index.html"
}
```


62% 19:55
ttps://3711efcd.ngrok.io
15
Fast enough?
Choose a challenge and prove you're fast!
Challenger:
Enter your name
Online
Challenges
Leaderboard
Timer will start as soon as you type your first character in Solution box.
Pick a challenge
Solution
Test
Submit
0
Paysera FastEnough
3711efcd.ngrok.io
ADD TO HOME SCREEN


58%
20:07
FastEnough?
Search
Bing

Paysera FastEnough Workshop

Fast enough?

Choose a challenge and prove you're fast!

Challenger: Enter your name Offline

Challenges

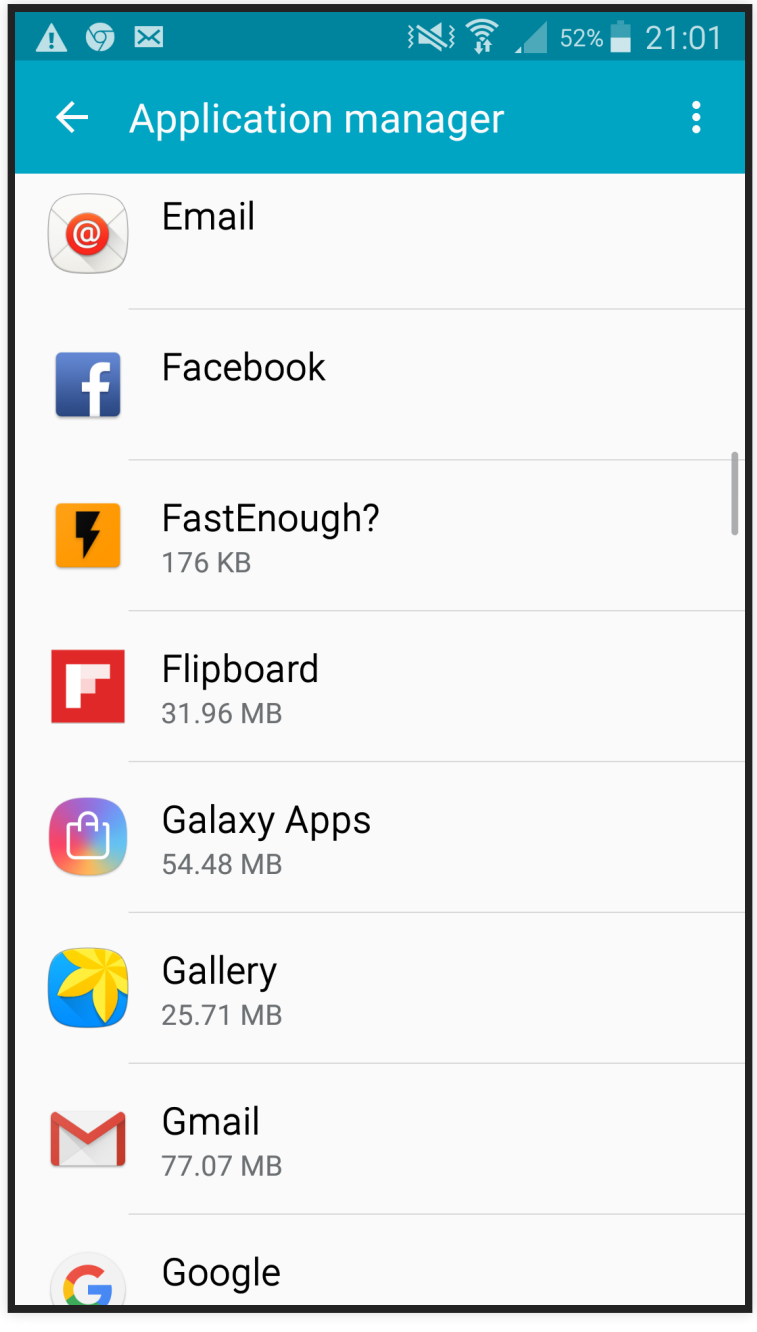
Leaderboard

Timer will start as soon as you type your first character in Solution box.

Pick a challenge

Solution

Test Submit 0


52% 21:01
Application manager
Email
Facebook
FastEnough?
176 KB
Flipboard
31.96 MB
Galaxy Apps
54.48 MB
Gallery
25.71 MB
Gmail
77.07 MB
Google

QUESTIONS?

THANK YOU