

次世代Web口グインフォーム

IoTLT vol29

@n0bisuke



自己紹介



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@n0bisuke

dotstudio株式会社 代表取締役

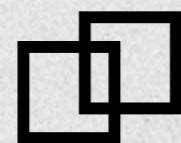
Webエンジニア
IoT/DevRelのコンサルなど

書籍:

- ・ 現場のプロが教えるWebデザイン
- ・ JavaScriptでインタラクティブ3Dコンテンツを作ろう
- ・ フロントエンドエンジニアのための現在とこれからの必須知識



会社紹介



dotstudio

「モノ作りできる人を増やしたい」

こんなことやっています

先生/生徒向けIoT講習会



岩手県滝沢市・高校生向け講習会

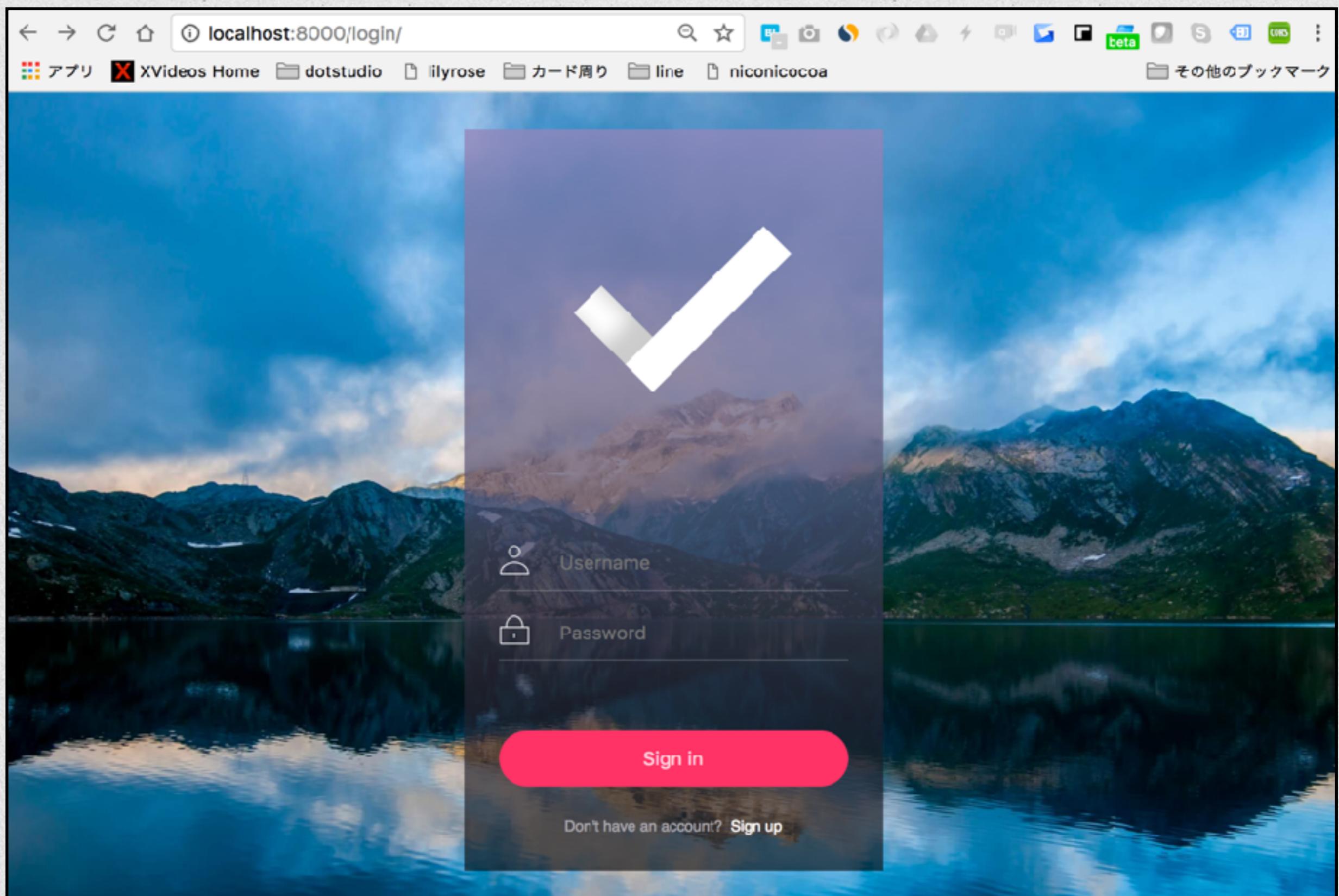


青山学院大学・大学生向け講習会

教育デバイス開発



Web のログインフォーム



引用元： codepen

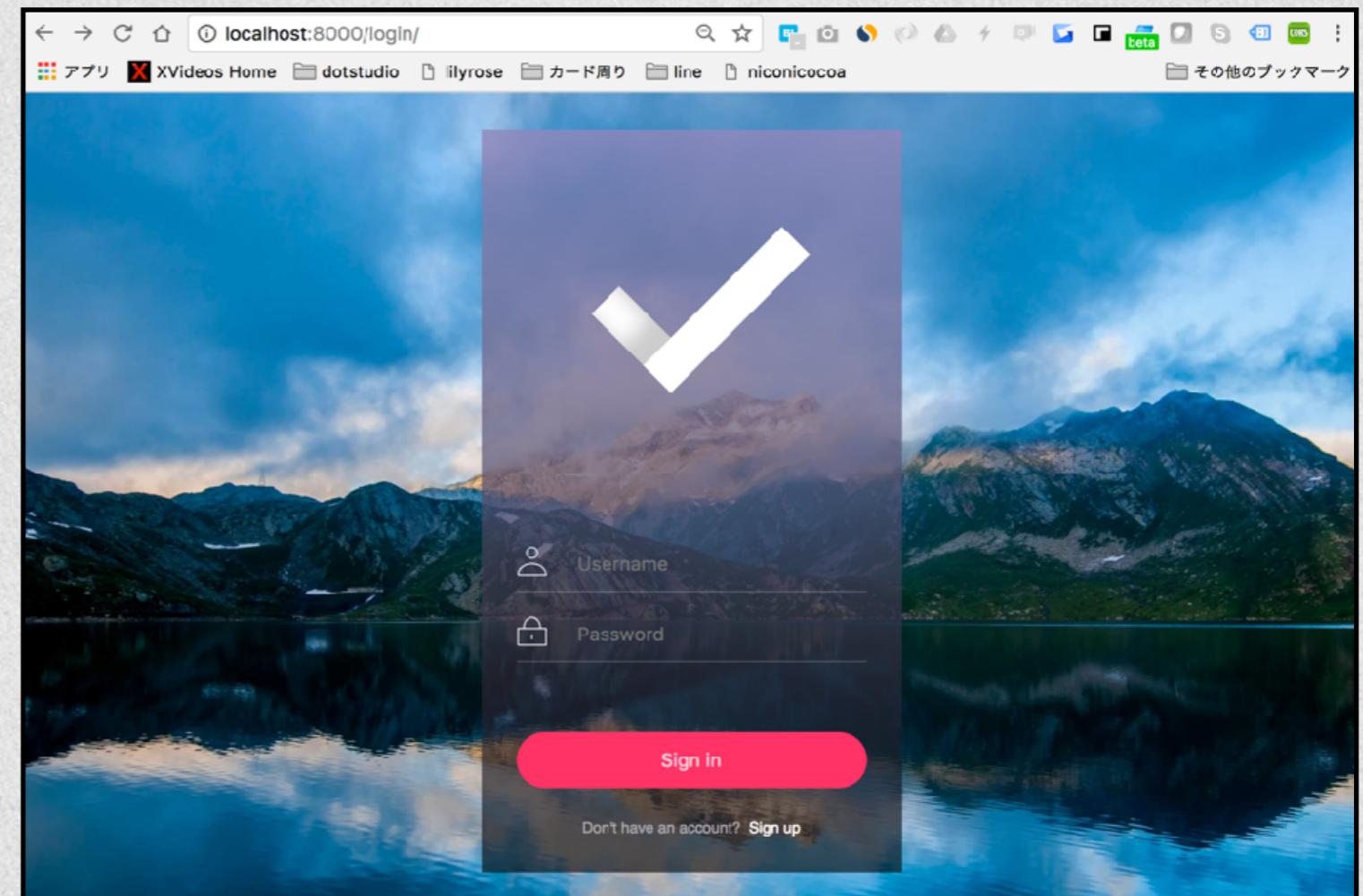
The screenshot shows a browser window displaying the CodePen search results for the query "login". The URL in the address bar is <https://codepen.io/search/pens?q=login&llimit=all&type=type-pens>. The page title is "40048 PENS FOUND FOR login". The search filters at the top include "Limit search to All Pens", "Order results by Relevance & Popularity", "Search depth Everything", and "Show forks Today". Below these filters, there are five preview cards for different login forms:

- Calm breeze login screen** by Lewis Hussey (PRO) - 190,237 views, 14 likes, 1,504 comments.
- Login/Logout animation concept** by Nikolay Talanov (PRO) - 191,593 views, 21 likes, 1,841 comments.
- Animated login form** by Mohamed Boudra - 90,258 views, 4 likes, 242 comments.
- Sign Up for Free** - A dark-themed sign-up form with "Sign Up" and "Log In" buttons.
- Login** - A dark-themed login form with "Username" and "Password" fields and a "LOG IN" button.
- Log In** - A light-themed login form with "Username" and "password" fields and a "LOG IN" button.

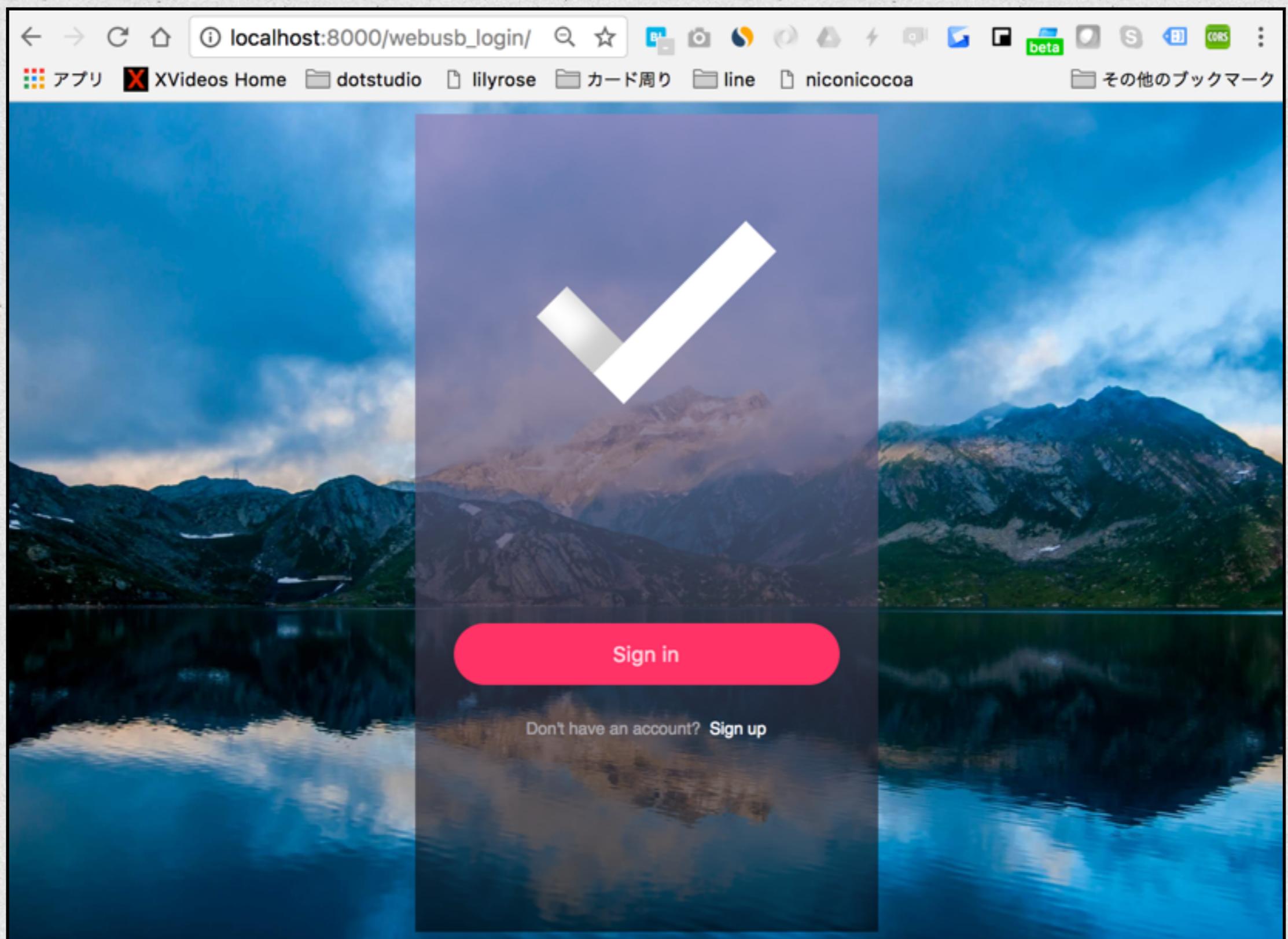
“login”で調べると色々サンプル出できます。

使ってる技術

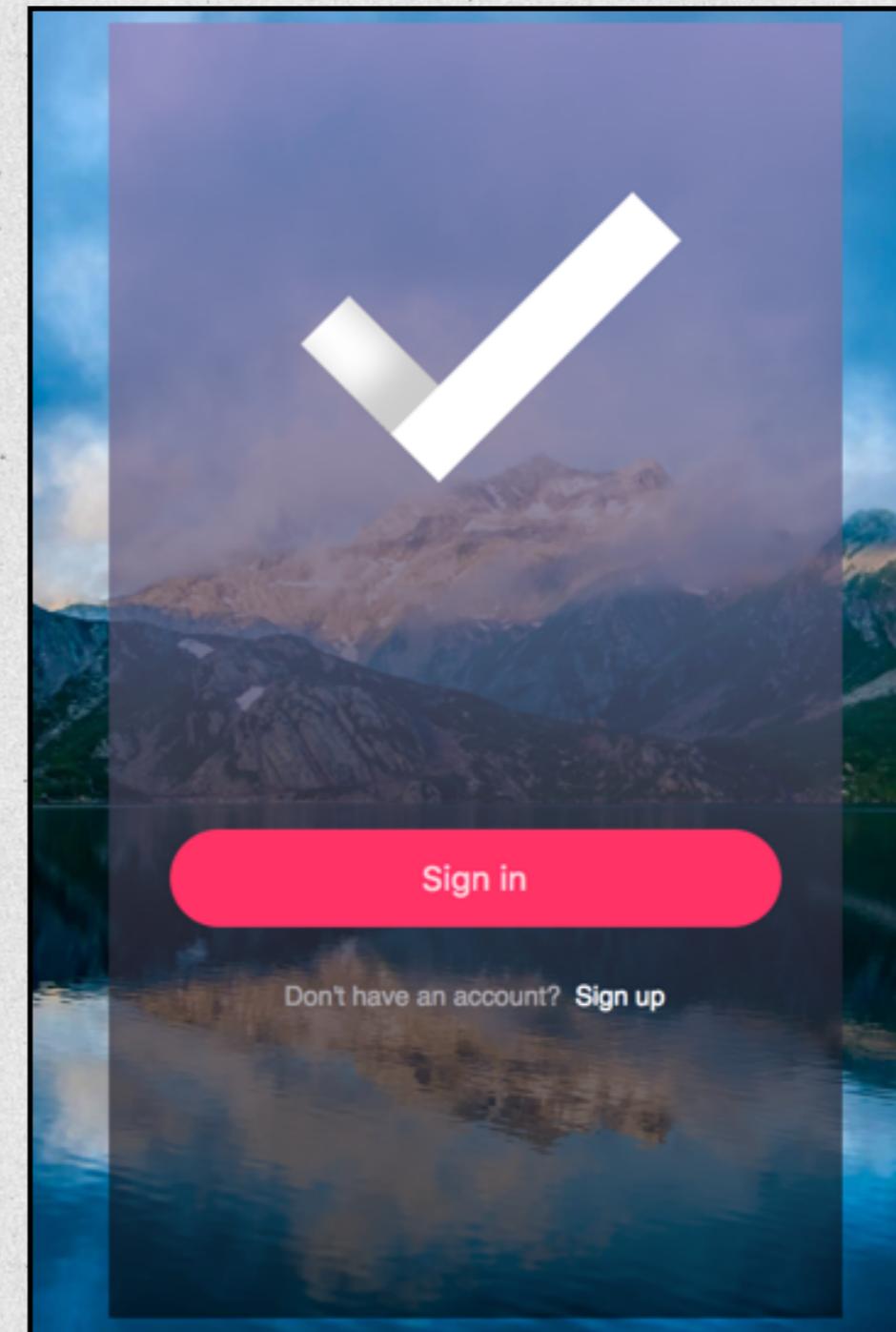
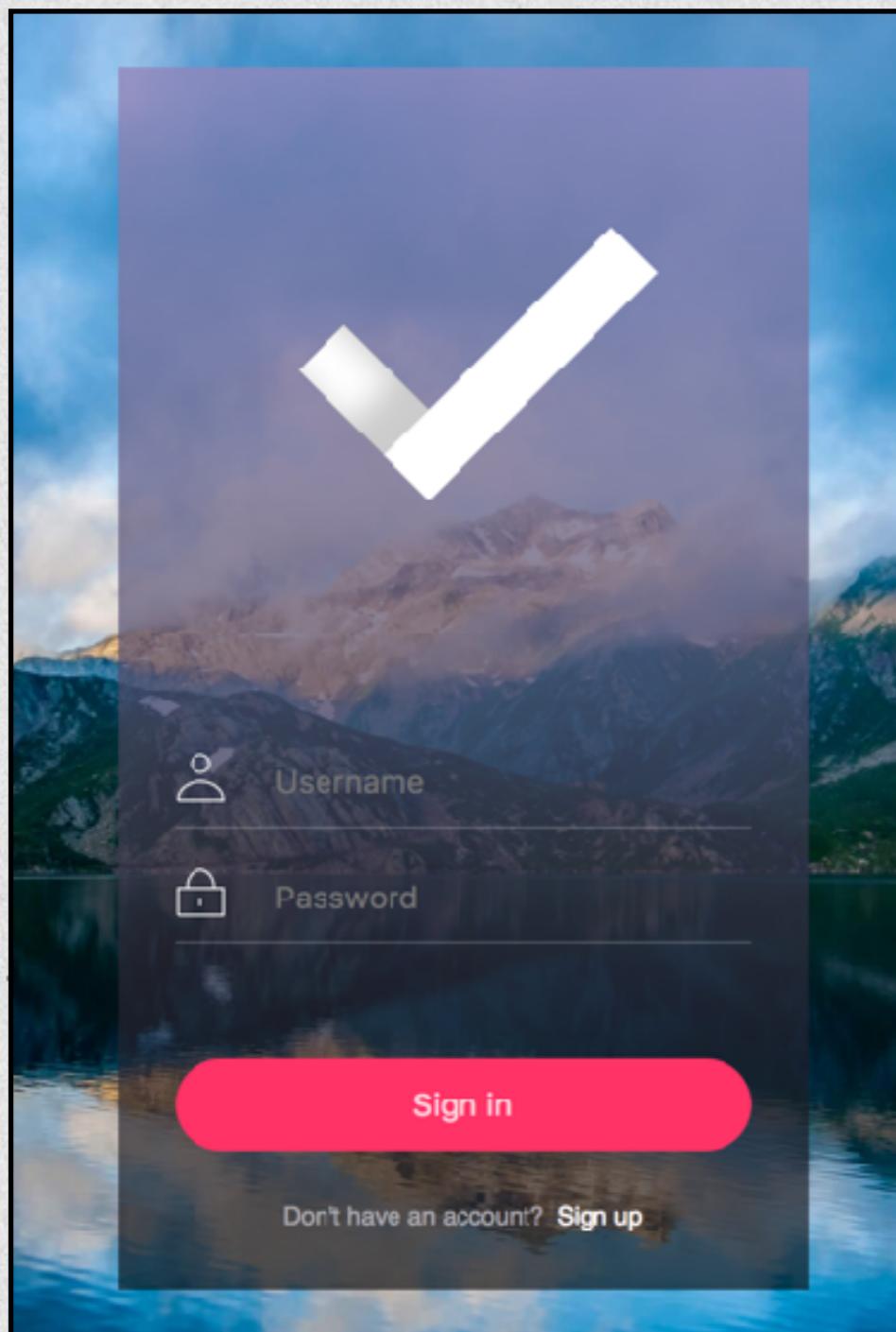
- HTML
- CSS
- JavaScript (jQuery)



Web のログインフォーム



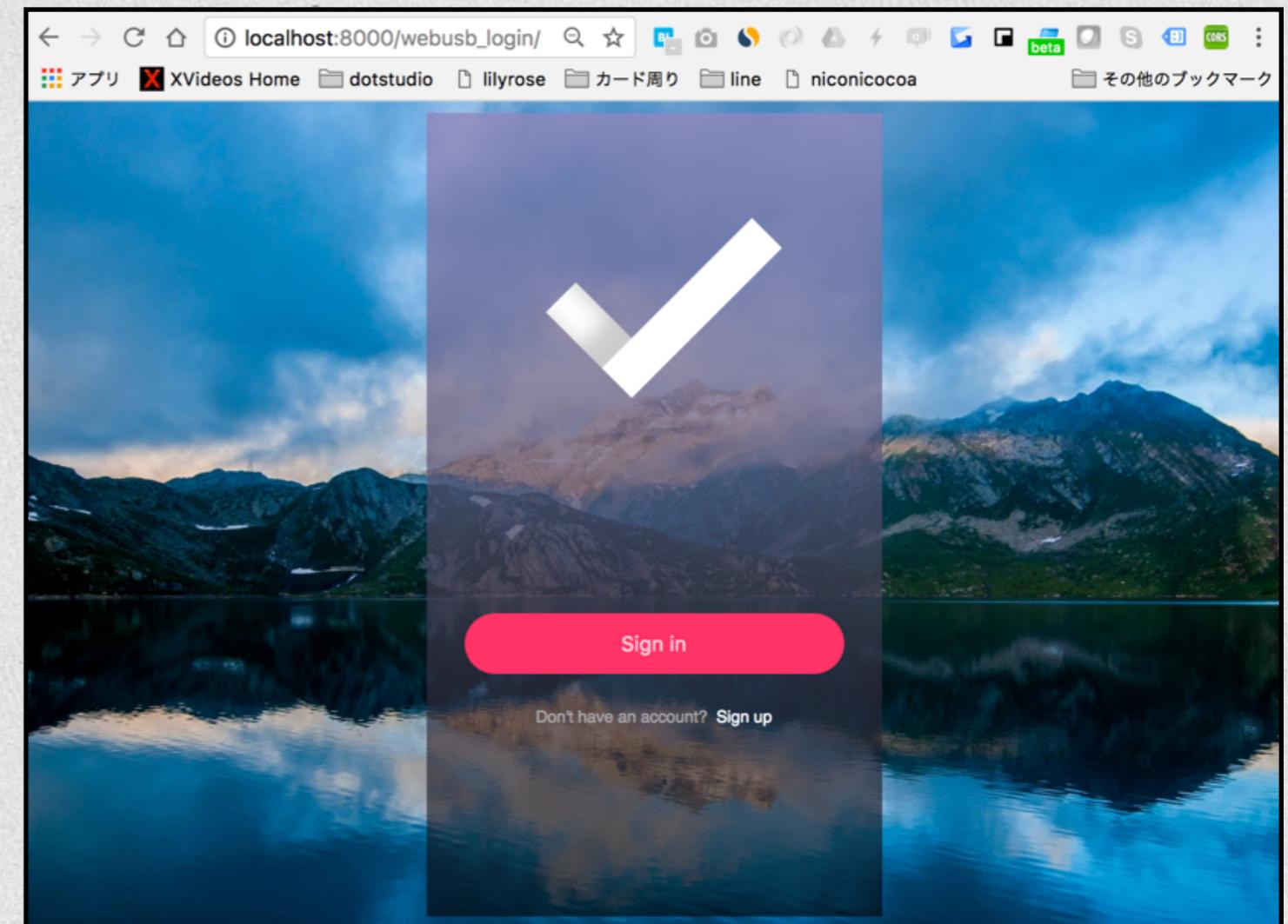
Web のログインフォーム



入力フォームがない.....?!

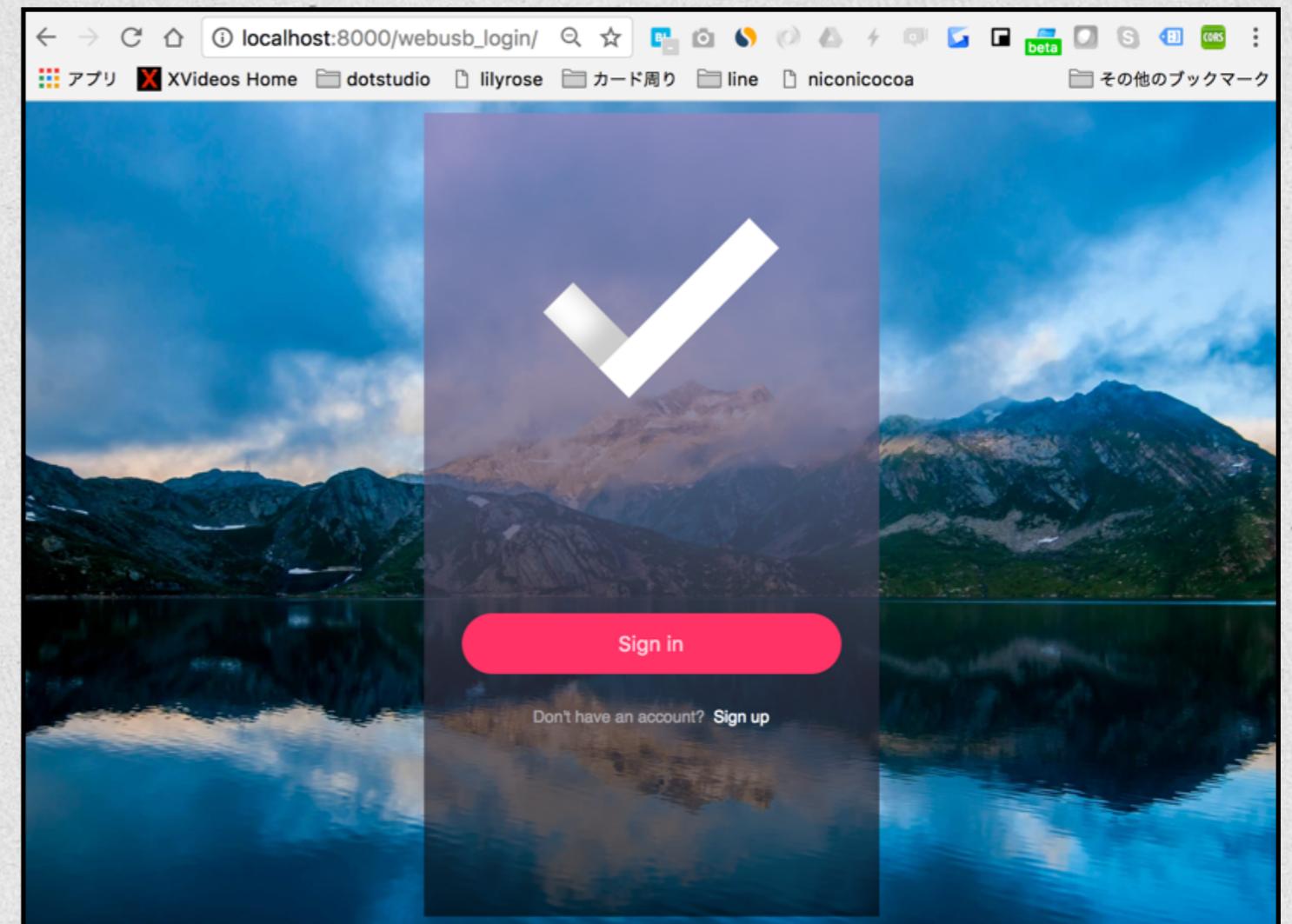
使ってる技術

- HTML
- CSS
- JavaScript (jQuery)



使ってる技術

- HTML
- CSS
- JavaScript (jQuery)



※先ほどと全く変わらず



WebUSB

WebUSBとは

The screenshot shows a news article from GigaZINE. At the top left is the GigaZINE logo. To its right are social sharing icons for Twitter, Facebook, Google+, and a person icon. Below the logo, there's a blue header bar with the text "salesforce" and "Pardot" on the left, and "2分でわかる! マーケティングオートメーション" in the center. The main content area has a yellow banner at the top with the date "2016年04月14日 15時00分00秒" and the headline "GoogleのエンジニアがUSBデバイスとウェブを直接接続で". The main text discusses the WebUSB API, mentioning that two engineers created a draft. It includes a timestamp, a "Like" count of 34K, and a "Follow" button. Below the text is a large image of a smartphone connected to a USB cable.

2名のグーグラーがWEBページからダイレクトにUSB機器にアクセスできる「WebUSB API」のドラフトを作成

DATE:2016.04.12 20:22 [juggly.cn](#)

ガジェット通信を> [Like 34K](#) [フォローする](#)

[f 3](#) [Twitter 5](#) [g+ 1](#) [B! 1](#) [D 1](#) [m](#)

juggly.cn

- W3Cがドラフト策定しているWebのAPI
- WebブラウザからUSB機器にアクセス！

なぜこのタイミングか

Web Fundamentals Tools **Updates** Case Studies 検索 すべてのサービス

2017
2016
All Articles
December
November
October
September
August
July
June
May
April
March

[Access USB Devices on the Web](#)
A New Device Mode for a Mobile-First Generation
Creating a Web-Enabled IoT Device with Intel Edison
Web Animations Improvements in Chrome 50
Removing Headaches from Focus Management
Media Source API: Automatically Ensure Seamless Playback of Media

Access USB Devices on the Web

日次 ▾
Before we start
Available for Origin Trials
Privacy and security
Attacks against USB devices
...

By François Beaufort
Dives into Chromium source code

If I said plain and simple "USB", there is a good chance that you will immediately think of keyboards, mice, audio, video and storage devices. You're right but you'll find other kinds of Universal Serial Bus (USB) devices out there. These non-standardized USB devices require hardware vendors to write native drivers and SDKs in order for you (the developer) to take advantage of them. Sadly this native code has historically prevented these devices from being used by the Web. And that's one of the reasons the WebUSB API has been created: to provide a way to expose USB device services to the Web. With this API, hardware manufacturers will be able to build cross-platform JavaScript SDKs for their devices. But most importantly this will **make USB safer and easier to use by bringing it to the Web.**

やっとサンプル解説が...! (2017年5月)

対応ブラウザ



- Google Chrome v59.0
- Experimental Web Platform featuresフラグ

JavaScriptでハードウェア制御の波が再び...!

他にも

- WebBluetooth
- WebNFC

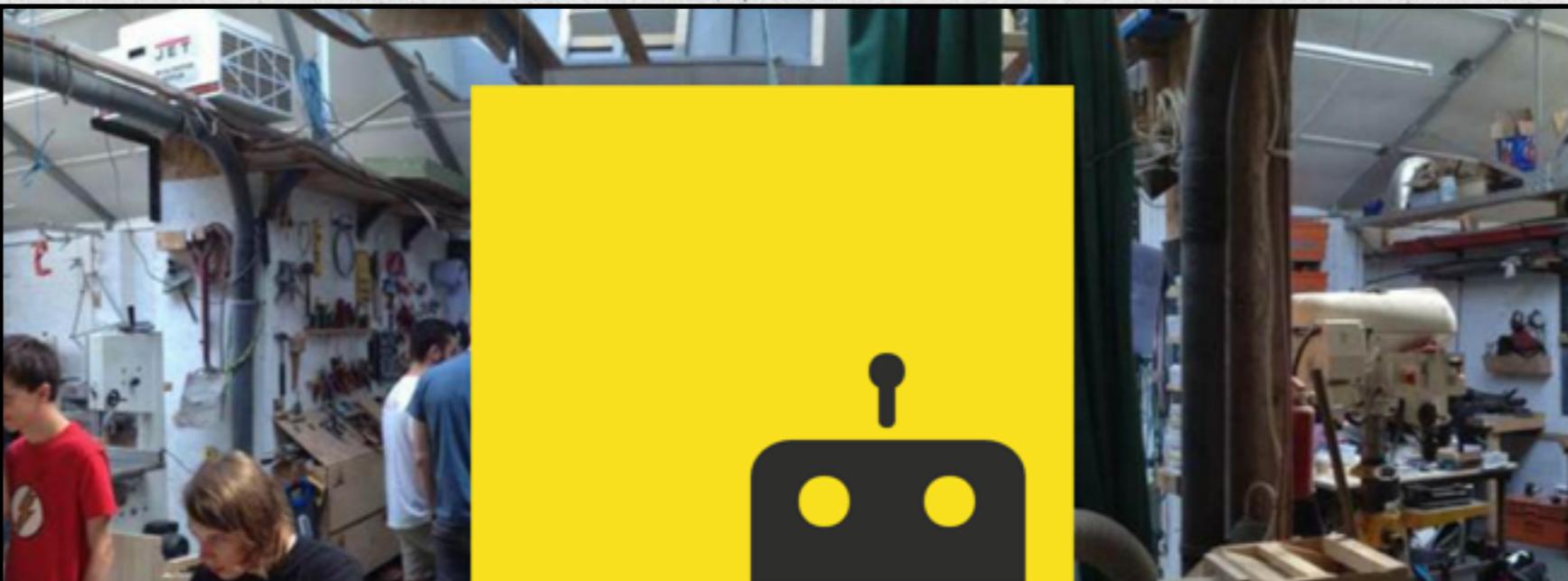
The screenshot shows a magazine-style website layout. At the top, the logo 'CodeZine' is displayed with the subtitle '開発者のための実践系Webマガジン'. To the right, there is a green horizontal bar with Japanese text. Below the header is a navigation bar with links: ホーム, ニュース, 記事, 注目ブックマーク, コミュニティ, デブサミ, アカデミー. A search bar labeled '記事種別から探す' is followed by category links: C#, Java, VB.NET, C++, PHP, Ruby, Perl, JavaScript, SQL. A blue horizontal bar below the navigation bar contains the text 'IoT Starter Studio'. The main content area features a large title: 'Bluetooth搭載LED照明「PLAYBULB」をWeb Bluetoothを使ってLチカさせてみよう'. Below the title is a subtitle: 'IoT Starter Studio 第19回'. There are several social sharing icons at the bottom of the article page.

The screenshot shows the 'Draft Community Group Report' for the 'Web NFC API'. The title is 'Web NFC API Draft Community Group Report 20 June 2017'. On the left, there is a logo for the 'W3C Community Group Draft Report' featuring three stylized human figures. On the right, there is a logo for 'ReSpec' and the 'W3C' standard. Below the title, there is a link to the 'Latest editor's draft' at <https://w3c.github.io/web-nfc/>. The text 'Editors:' is followed by the names Kenneth Rohde Christiansen, Zoltan Kis, and Alexander Shalamov, all associated with Intel. To the right of the main content, there is a sidebar with Japanese text: 'ハッカブル IoT照明 します。' and an image of a white lightbulb with a black band wrapped around it.

こんなのができそう



NodeBots



NodeBots

Learn how to make robots powered by JavaScript

- **JavaScriptでハードウェア制御しよう**
- **世界的なコミュニティ/取り組み**

7 / 29 (土) @ 御茶ノ水

The screenshot shows the Connpass event management platform. At the top, there's a navigation bar with links for 'イベント検索' (Event Search), 'ダッシュボード' (Dashboard), 'カテゴリー' (Category), '新着イベント' (New Events), 'イベント管理' (Event Management), 'イベント作成' (Create Event), and a user icon. Below the navigation is a toolbar with buttons for '公開中' (Published), '中込者を管理する' (Manage Participants), 'メッセージを送る' (Send Message), 'コピーを作成' (Create Copy), 'イベント統計を見る' (View Event Statistics), 'イベントを告知する' (Promote Event), and 'イベントを編集する' (Edit Event). A yellow banner at the top displays two messages: one about new features for event organizers and another about a new online learning service for programmers.

The main content area features the event details for "International NodeBots Day 2017 in Tokyo". The event date is listed as "7月 29" (July 29). The title is "International NodeBots Day 2017 in Tokyo" and the subtitle is "JavaScriptでハードウェア制御を楽しみましょう！！！". The organizer is listed as "n0bisuke". The event page includes several images: a green "node" logo inside a gear, a black robot head icon, and a yellow robot arm icon with the text "Johnny-Five" below it. A "ハッシュタグ" (Hashtag) section at the bottom lists "#nodebots #jp #nodebots".

To the right of the event details is a sidebar for the "NodeBots" group. It shows the group name, "JavaScript Robotics", and statistics: "イベント数 7回" (7 events) and "メンバーアカウント 240人" (240 members). It also displays the event date and time: "開催日 2017/07/29(土) 10:00 ~ 19:00". A red button at the bottom right says "このイベントに申し込む" (Apply for this event).

JS好きな人、IoT好きな人、入門してみたい人 何卒何卒

まとめ

- Webブラウザで低レイヤーに触れられる時代！
 - Web USB
 - Web Bluetooth
 - Web NFC ...etc
- JavaScriptイイヨー
 - 7/29 NodeBots Dayへ！
- dotstudioでは人材募集中！インターンも！

<https://www.wantedly.com/companies/dotstudio/projects>