

CHALLENGE LIST FOR EACH TEAM

ALL CHALLENGES

WORLD TRAVELLER

#1: Build a project which changes your keyboard layout to that of another country every 15 keystrokes. You should include at least 5 layouts.

100 points

MAY THE FORCE BE WITH YOU

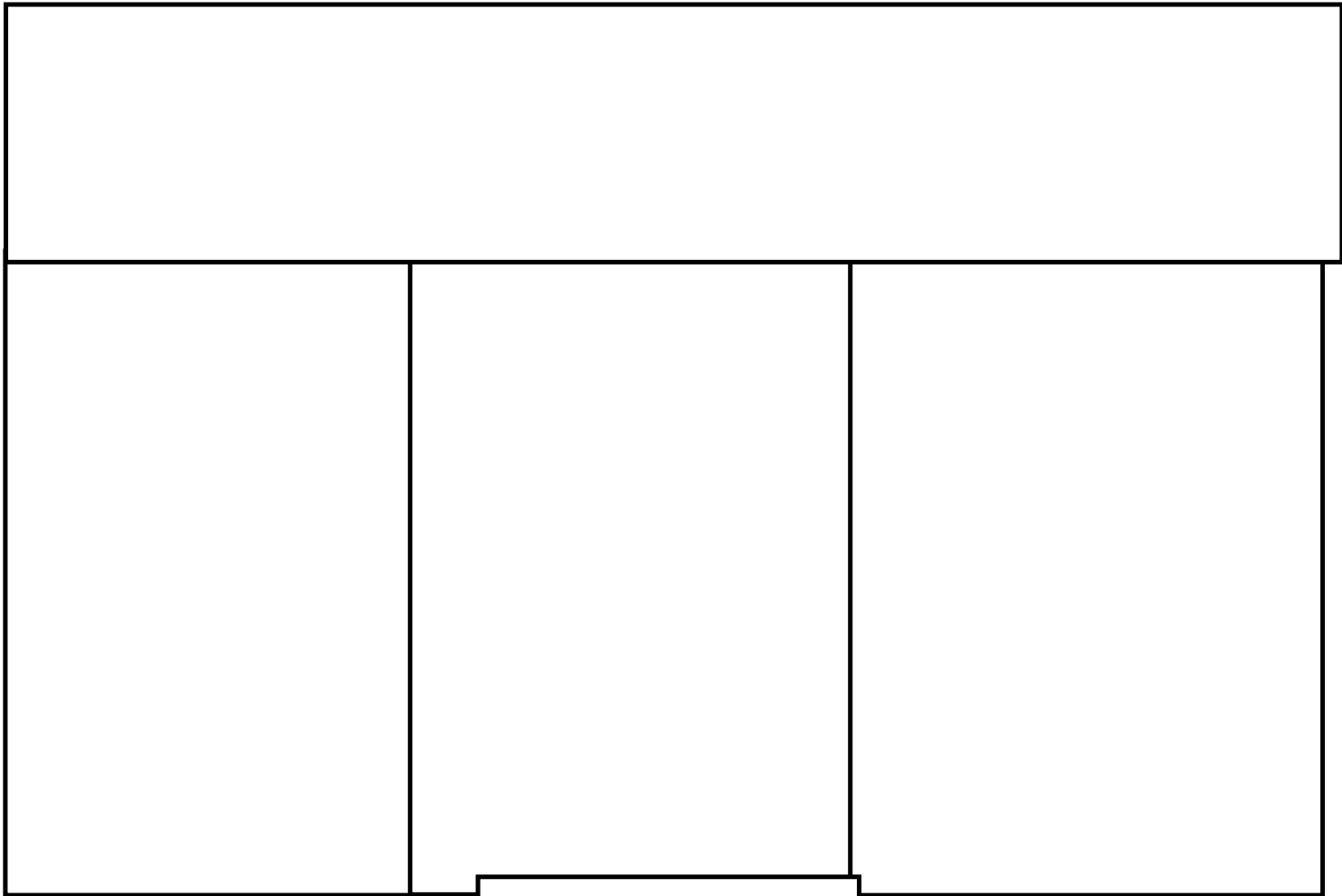
#2: Build a mobile website which makes a lightsaber sound when you swipe your phone. You can use an existing sound effect or make your own!

80 points

BEEP BOOP BOT

#4: Build a twitter bot which tweets once every 10 minutes. Show us this project with at least three tweets, and tell us how it works! The subject of your bot can be up to you.

70 points

**.BEAT IT**

#13: Build an application on any platform which displays the correct time in Swatch's .beat time

70 points

HIRED IS A STAR

#15: Create a code that outputs a shape that reads "HIRED" using only the * character

50 points

YODAFI

#16: Make a program that converts sentences into yoda speak (you must use the force = use the force you must)

70 points

DASH IT

#17: Insert dashes ('-') between each two odd numbers in str. For example: if str is 454793 the output should be 4547-9-3.

45 points

PEPPERONI PADDING

#20: Make a page using ONLY HTML and CSS that can generate a pizza that is some % pepperoni, and some % plain - needs to be dynamic as to the % values

80 points

KARAOKE MASTER

#22: Write a karaoke machine. Source music from anywhere you wish. Source lyrics from anywhere you wish. But make sure to time it properly!

100 points

PAPER PLANES

#23: Create a page using html and css that explains how to fold a paper plane. Images are not allowed.

70 points

SLACK API

#27: Build a project using the Slack API

70 points

ALEXA

#28: Build an Alexa skill that reads off killer one-liner insults

70 points

PRIME TIME

#33: Code a function/method that takes a parameter and returns true if the parameter is a prime number, otherwise returns false.

50 points

KNOCK KNOCK

#36: Build a system which plays out a Knock Knock joke over SMS

70 points

SPOTIFY FEATURES**PIANO TIME****EMOJI TALES**

#37: Build a cool visualisation of a song using the Spotify Features API

90 points

#38: Build a playable digital keyboard in the technology of your choice

70 points

MESSAGE BOARD

#40: Build an old-school message board. Only four users can be connected at a time, and leaves new messages on a digital 'message board'

100 points

GENERATIVE ART

#43: Build a project which creates generative art to a canvas - that is, every time you load it, the image is unique

90 points

CHECKBOX ART

#45: Recreate a famous piece of art using a grid of checkboxes toggled on/off

770 points

2-FAC FLOW

#46: Build a 2 factor authentication flow that doesn't involve a form

90 points

DRUM HERO

#48: Build a drum kit which you can play with your keyboard

70 points

TIME FOR MY CLOSEUP?

#49: Try adding live filters to your webcam feed using web technologies

TEXT EDITOR

#52: Code a notepad style application that can open, edit, and save text documents. Optional: Add syntax highlighting and other features.

70 points

WHO DIS?

#53: Design a messaging app with the worst possible UX you can imagine. Justify why it's the worst!

80 points

TWILIOQUEST

#54: Complete the Getting Started, Programmable SMS and Programmable Voice missions on Twilio Quest

90 points

SNAP THIS

#56: Build something using Snapchat's Creative Kit

95 points

SEARCH DESIGN

#57: Design a search system which uses no text input

80 points

D3

#60: Build something fun with D3.js

90 points

A LITTLE THING CALLED LOVE

#62: Build a simple interactive game in the LOVE framework

85 points