The Duckietown Book

TABLE OF CONTENTS

The Duckietown project

<div align="center">

CHAPTER 1

What is Duckietown?

</div>

TODO: Write the mission statement

1.1. Watch some videos
TODO:

1.2. Read papers about Duckietown
TODO:

1.3. Beginnings of Duckietown
TODO:

1.4. Duckietown around the world
TODO:

1.5. Coming up in 2017
TODO:

First steps

2.1. How to get started

If you are an instructor, please jump to Chapter 3.

If you are a self-guided learner, please jump to Chapter 4.

If you are a company, and interested in working with Duckietown, please jump to Chapter 5.

2.2. How to keep in touch

TODO: add link to Facebook

TODO: add link to Mailing list

TODO: add link to Slack?

2.3. How to contribute

TODO: If you want to contribute to the software...

TODO: If you want to contribute to the hardware...

TODO: If you want to contribute to the documentation...

TODO: If you want to contribute to the dissemination...

Chapter 3
Duckietown for instructors

Duckietown for self-guided learners

TODO: to write

CHAPTER 5
Introduction for companies

TODO: to write

Contributing to this documentation

6.1. Where the documentation is

All the documentation is in the repository duckietown/duckuments.

The documentation is written as a series of small files in Markdown format. The output is:

- a publication-quality PDF;
- HTML (single-page);
- HTML (multiple pages).

6.2. Editing links

The simplest way to contribute to the documentation is to click any of the "✎" icons next to the headers.

They link to the "edit" page in Github. There, one can make and commit the edits in only a few seconds.

6.3. Comments

In the multiple-page version, each page also includes a comment box powered by a service called Disqus. This provides a way for people to write comments with a very low barrier. (We would periodically remove the comments.)

6.4. Compiling the documentation

TODO: Write instructions - it's "make all" but the dependencies are complicated.

6.5. Deploying the documentation

TODO: Write instructions

Features of the documentation writing system

7.1. Embedded LaTeX

You can use $\LaTeX$ math, environment, and references. For example, take a look at

$$x^2 = \int_0^t f(\tau)\, \mathrm{d}\tau$$

or refer to Proposition 1.

Proposition 1. (Proposition example) This is an example proposition.

TODO: other LaTeX features supported

7.2. Other interesting features

TODO: to write

Frequently asked questions about Duckietown

TODO: to write

PART 2
Modeling

TODO:

Kinematics of Duckiebot

TODO: