Guide to interactive applications

Dot Bot

Coding on the interactive floor

Designer: LavaVision

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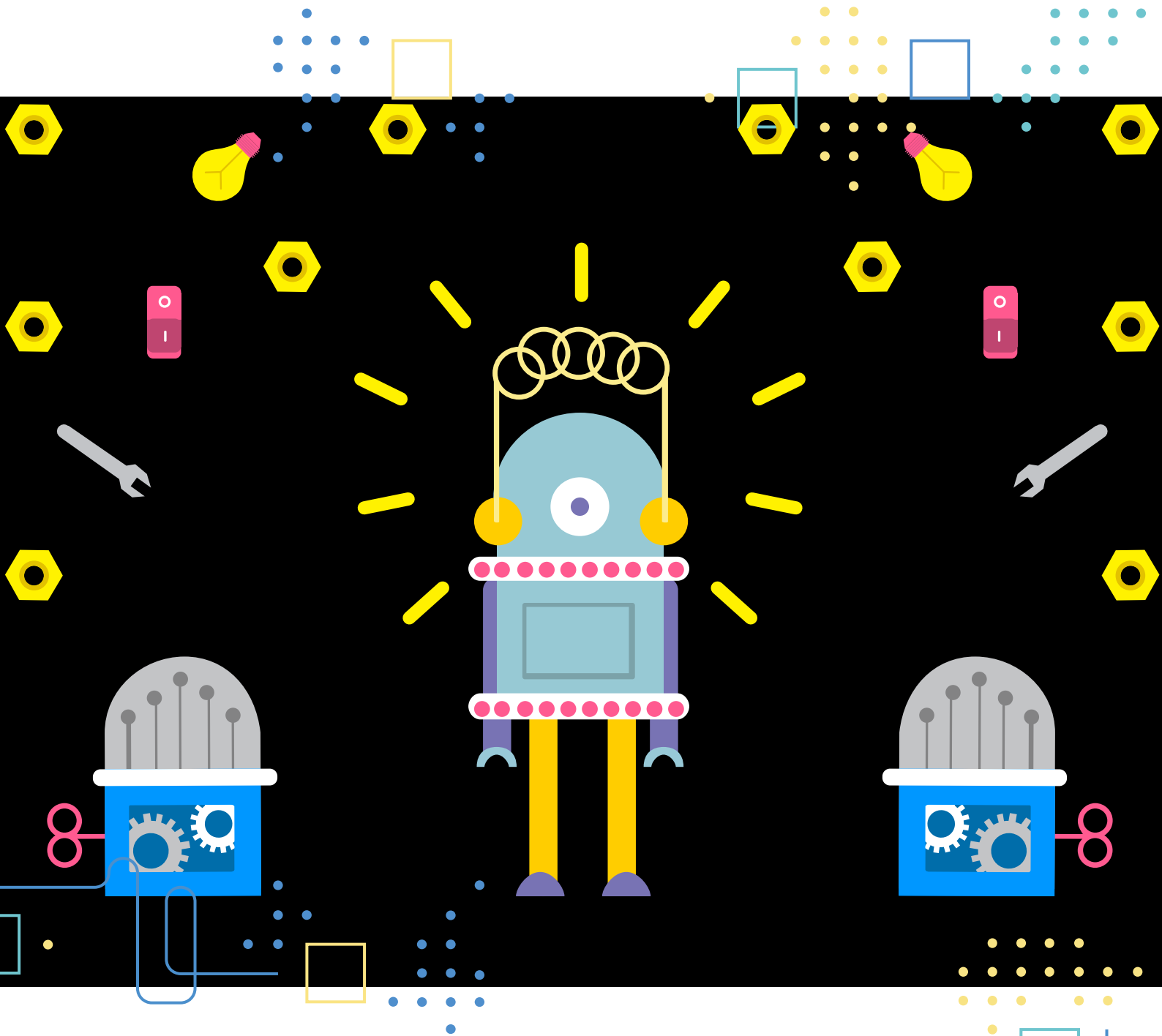
Dot Bot are Motioncube applications designed for interactive floors. The applications are controlled by **interactive pens.**

Number of applications in the package: 5
Application control method: interactive pens
Design, graphics, software: LavaVision
Package release date: 2018-09-01
Update: 2019-09-24

Motioncube is an interactive software that combines motion and fun in the innovative technology of the interactive floor. Motioncube applications are designed for entertainment, education, revalidation, rehabilitation. Dozens of games controlled by motion, touch, interactive pens, robots, as well as for PCs and interactive boards. Along with example lesson or activity plans. Quick and easy selection of games collections with delivery straight to the interactive device. Create the interactive space tailored to your needs with Motioncube.
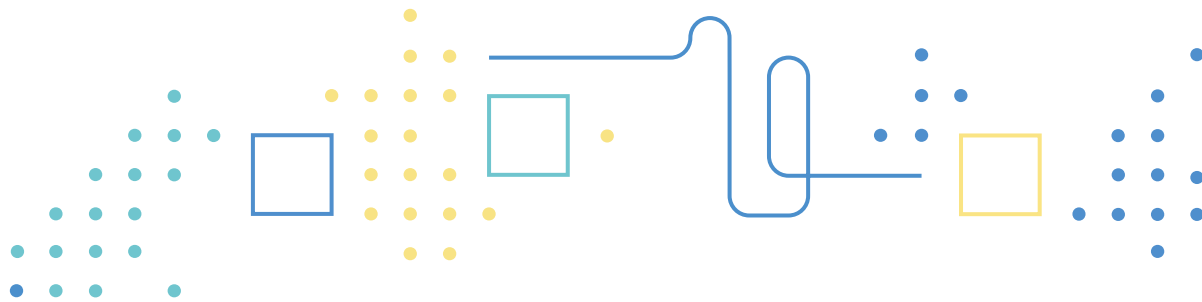
LavaVision

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Meet Dot Bot

Hello world! I am new here. My name's Bot, Dot Bot. Soon I get to know many new things and may become Big Bot. Robot Bot needs your help to complete his missions. He must collect the necessary tools and recharge his batteries regularly. The missions of friendly Bot are designed for young programming enthusiasts. Activities with Bot develop logical and algorithmic thinking and help to learn the basics of coding - sequencing and loops. Exercises with a gradual level of difficulty are dedicated to pre/school age children. Write a code for Bot and check what happens!
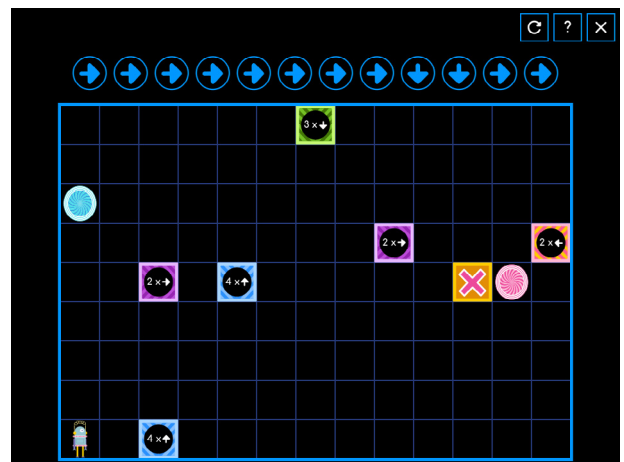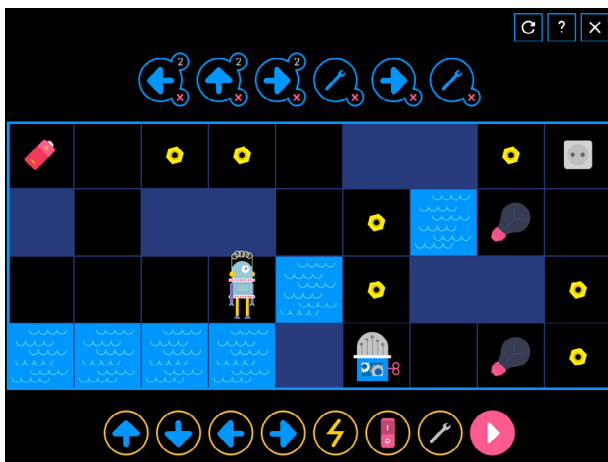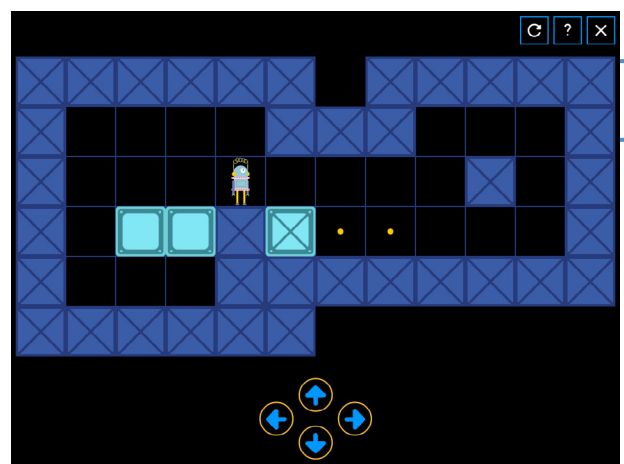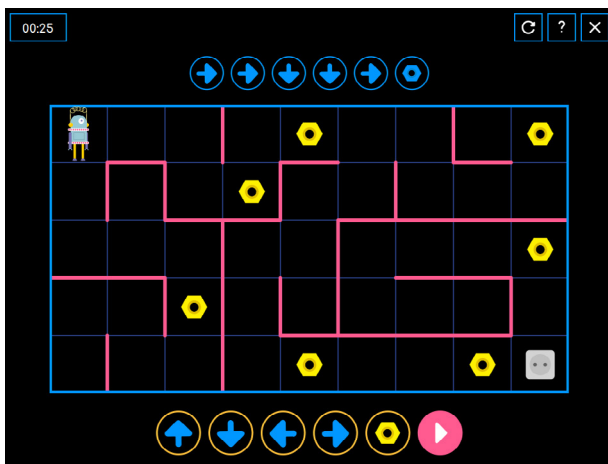
Who is it for?

The Dot Bot applications can complement everyday educational activities for pre-school, early school and school age children, as well as corrective, compensatory and revalidation classes. They can also be a great alternative to traditional coding learning in front of the computer screen, by making the time spent by children of all ages more attractive and energetic in educational institutions, community centers and at home.
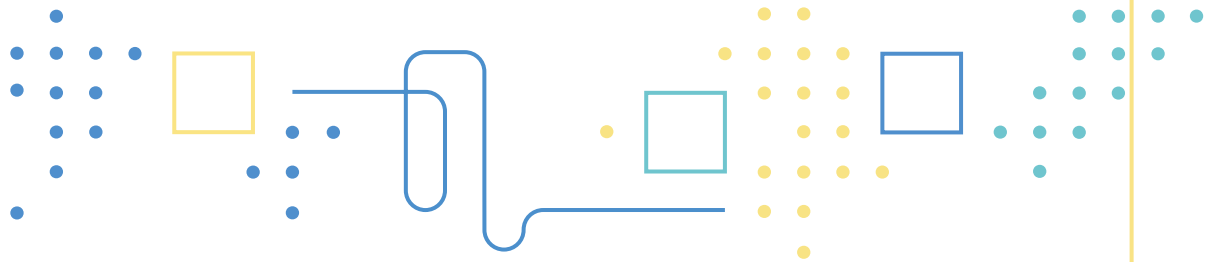
What are the objectives of these activities?

The Dot Bot game collection can support your child's activity by developing mental cognitive processes such as logical, cause-effect and algorithmic thinking. The children will create a sequence that will guide the robot through the mazes. They will also learn the concept of a loop that can simplify the algorithm. The algorithm can be followed step by step to understand its meaning or find a bug.

Games authors tried to respond to the developmental needs of preschool and school children, focusing primarily on supporting motor and sensory skills during organized and safe games.
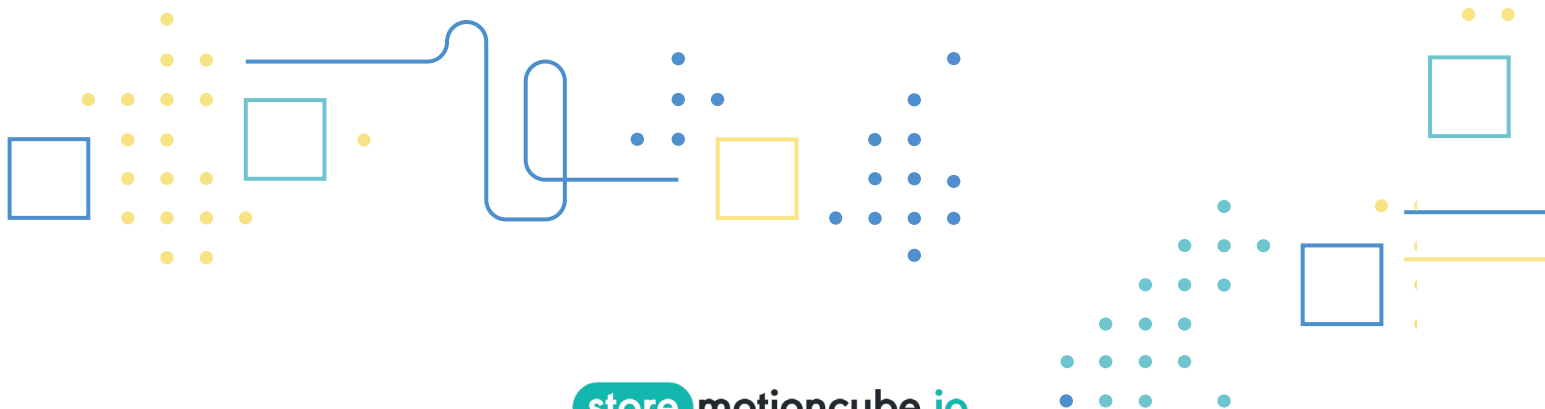
What is inside?

The Dot Bot game set includes five interactive applications, consisting of many levels. Each exercise begins with a short instruction. The student controls the virtual robot on the floor by showing him the way with arrows and asking him to perform various tasks at the same time. The proposed games and activities are based on basic programming concepts, like sequence and loop, creating an excellent environment for learning and understanding them at the younger school age.

Child development support

The applications included in the package have been developed in cooperation with teachers and psychologists. Interactive games and exercises can perfectly enrich group class scenarios as well as individual exercises.

Active impact on child's skills development:
- perception and the ability to distinguish between objects;
- eye-hand coordination;
- spatial orientation;
- logical and algorithmic thinking;
- learning of basic programming concepts;
- cause-effect thinking.

Fun with the Dot Bot on the Motioncube
interactive floor

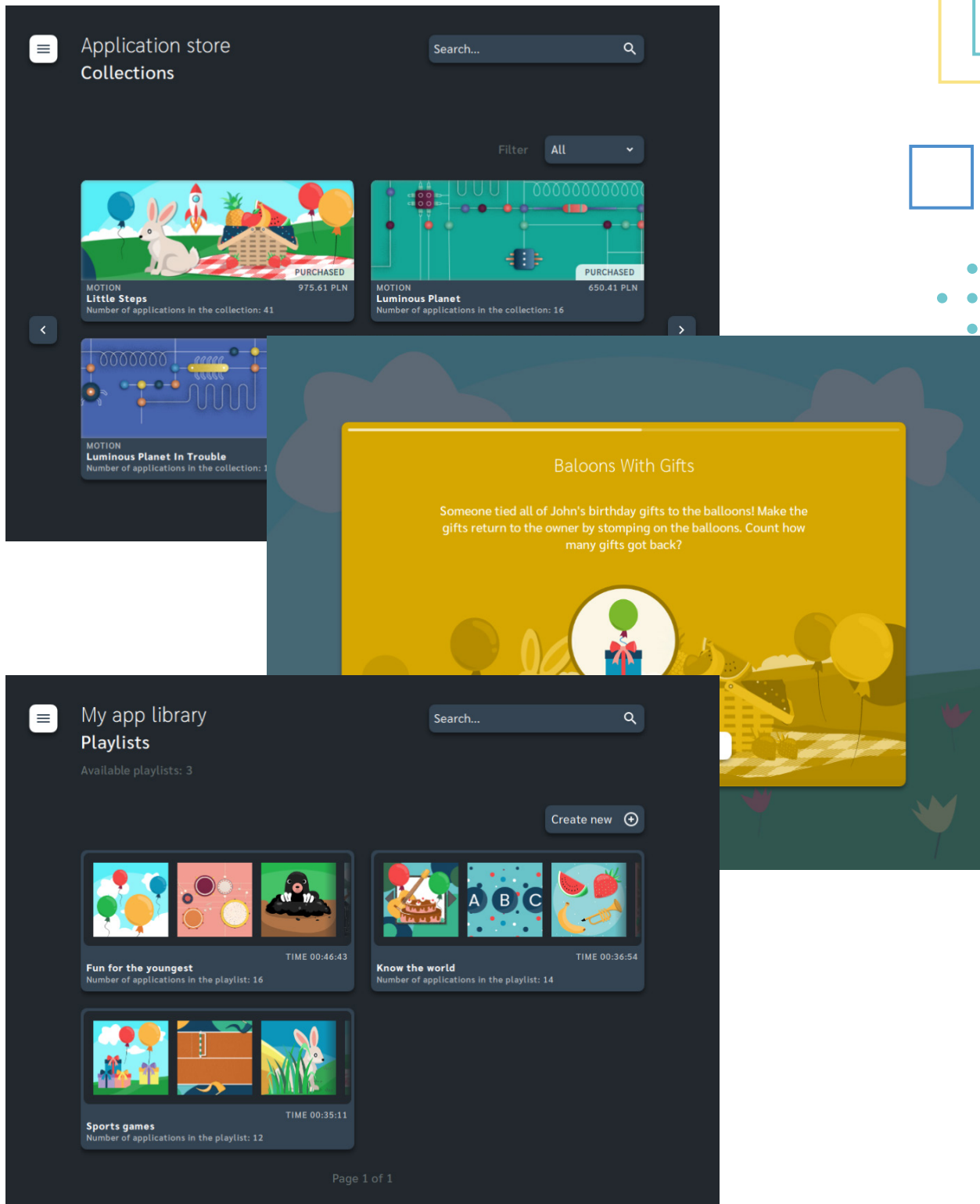You can run the Dot Bot games on the interactive floor with Motioncube Player available on **www.motioncube.io**
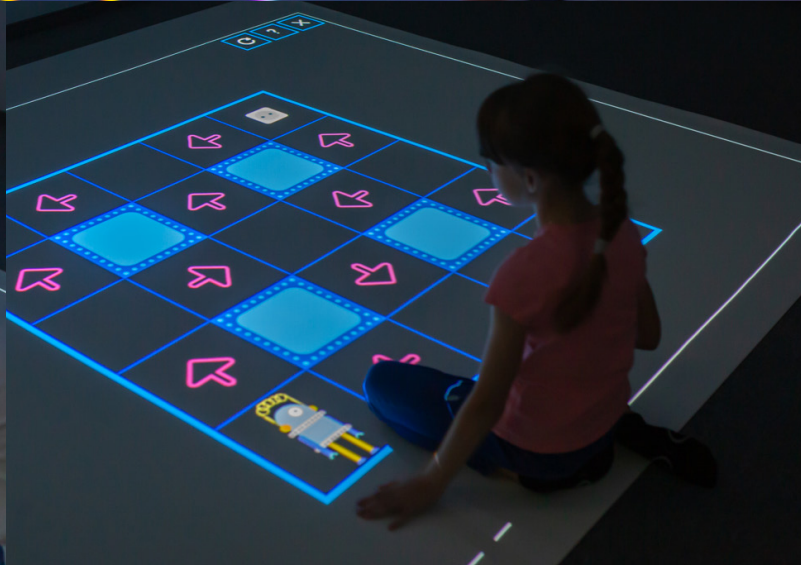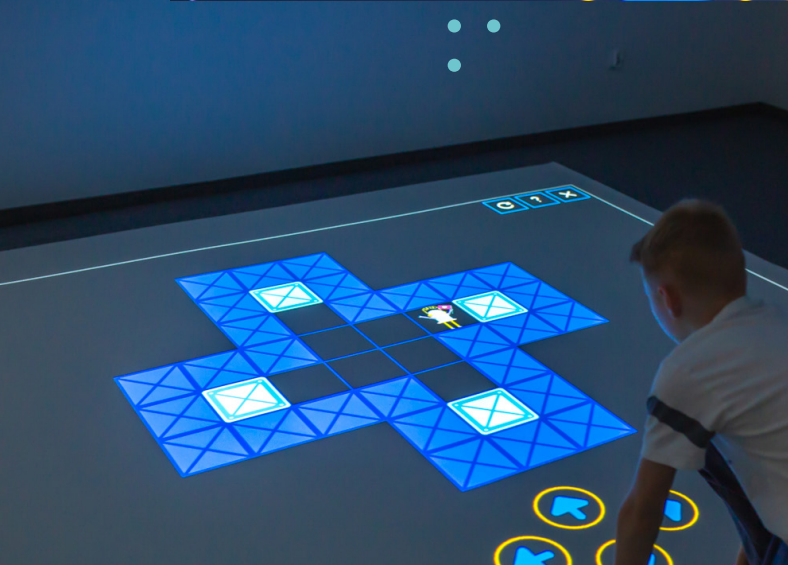
Motioncube Player

With Motioncube Player, you can easily manage your App Library, update your app collections, run playlists, and access a wide offer of educational interactive games.

Application store
Collections

Search... 🔍

Filter   All ▾

MOTION   **975.61 PLN**
PURCHASED
Little Steps
Number of applications in the collection: 41

MOTION   **650.41 PLN**
PURCHASED
Luminous Planet
Number of applications in the collection: 16

MOTION
Luminous Planet In Trouble
Number of applications in the collection: 1

Baloons With Gifts

Someone tied all of John's birthday gifts to the balloons! Make the gifts return to the owner by stomping on the balloons. Count how many gifts got back?

My app library
Playlists

Available playlists: 3

Search... 🔍

Create new ⊕

Fun for the youngest   TIME 00:46:43
Number of applications in the playlist: 16

Know the world   TIME 00:36:54
Number of applications in the playlist: 14

Sports games   TIME 00:35:11
Number of applications in the playlist: 12

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Why to choose the Dot Bot?

- Introduce to the preschool and early school children some interesting programming concepts with fantastic games;

- Practice logical and algorithmic thinking with friendly Bot on the interactive floor;

- Simple to use;

- Very much liked by children!

Create code for Bot and finish all levels!

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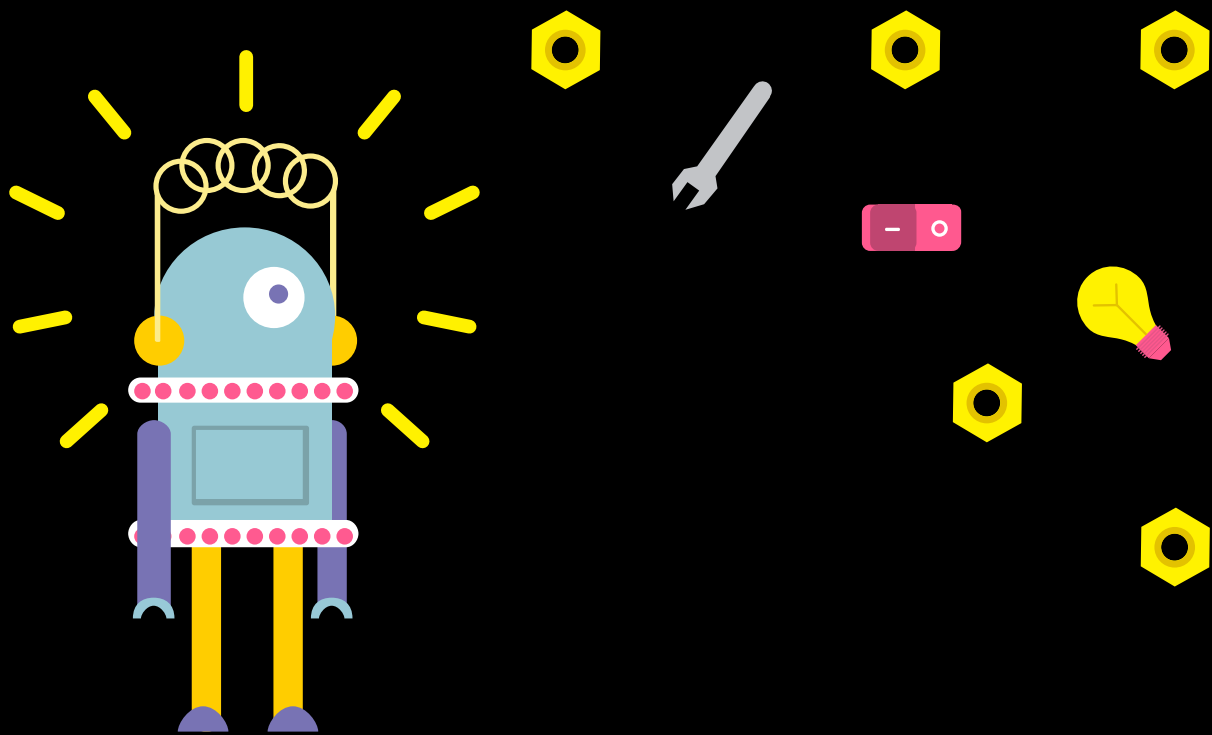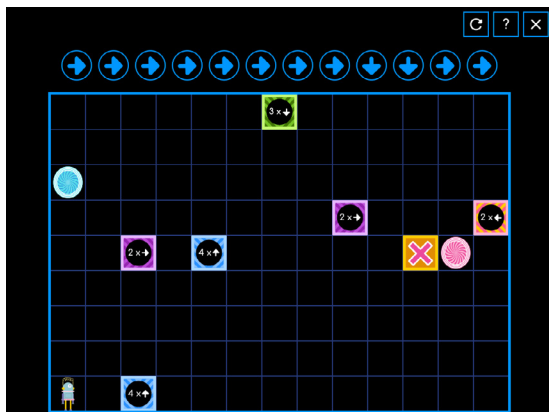
The Dot Bot includes five games

1. Arrow Plan
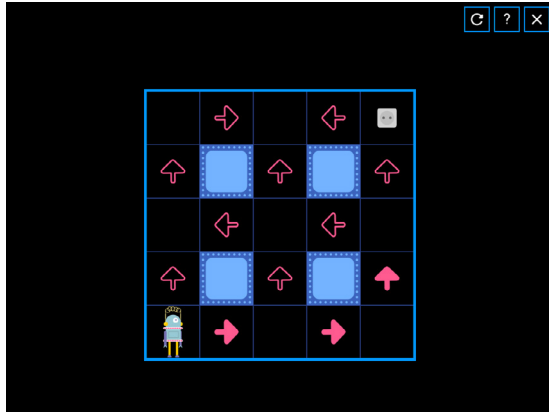
Bot was given a map with multiple paths. However, no one told him which path he should follow to reach the plug. Help him in this task. Robot Bot needs to reach the plug-in to recharge its energy. Highlight the arrows on the map, according to the Bot exit plan.

Boards generated randomly

2. Bot Code

Bot has got a code to execute. He shall reach the finish position as directed in his instructions. Help him do this. Check where Bot is going! Analyse the given arrow code and point the finish position of the Bot's way. In next journeys, Bot encounters fields that must be taken into account in addition to the arrow code.

Number of boards: 40

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3. Bot Job
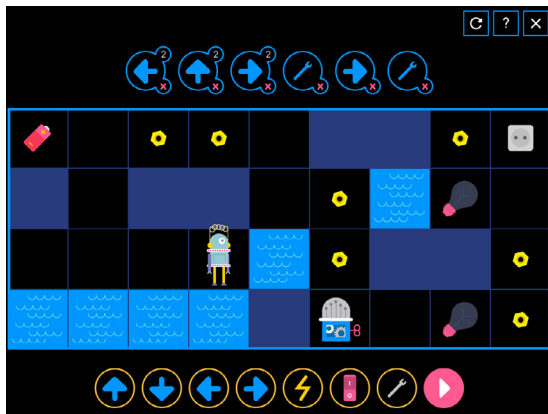
Bot has got a lot to do every day. Let's help him with his job by creating a code for him, so he exactly knows what to do. Get the Bot to job! Arrange the instruction for Bot with the arrows to lead him to plug-in. And remember he has to light the bulbs, collect the screws, recharge the batteries and repair the devices on the way.
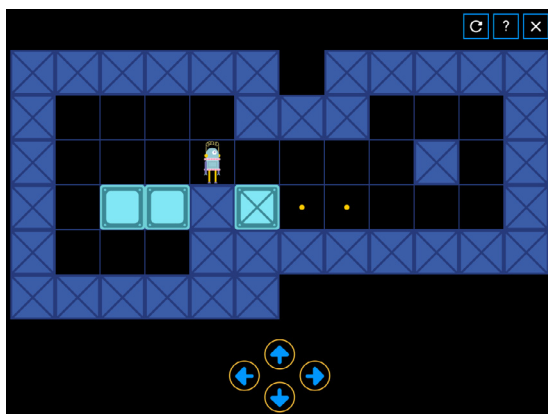
Number of boards: 15

4. Fix Bot
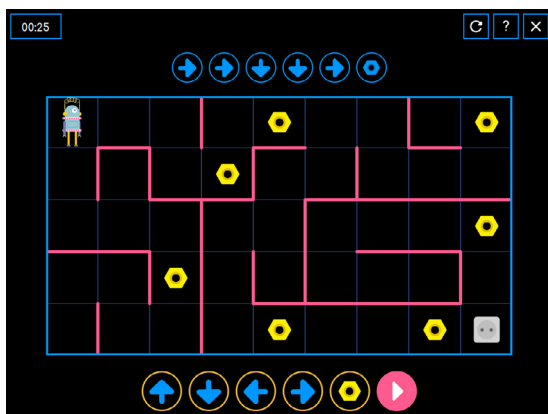
Bot got lost in the maze. He drops several screws on his way. Help him to get back all his screws and get him to the plug-in to charge his batteries. Charge Bot's batteries! Get him through the maze to the plug-in by arranging the instruction for him with arrows. Remember to collect all screws on the way.

Boards generated randomly

5. SokoBot

Bot has got a new assignment. He has to clear the warehouse and put all the boxes in the right places. It will not be an easy task, first Bot needs to plan the order well before proceeding with the work. Robot Bot must put all boxes to places marked with yellow dots. Bot can move the selected box only when there is space around it. The walls block the move. Steer him correctly using buttons with arrows.

Number of boards: 25
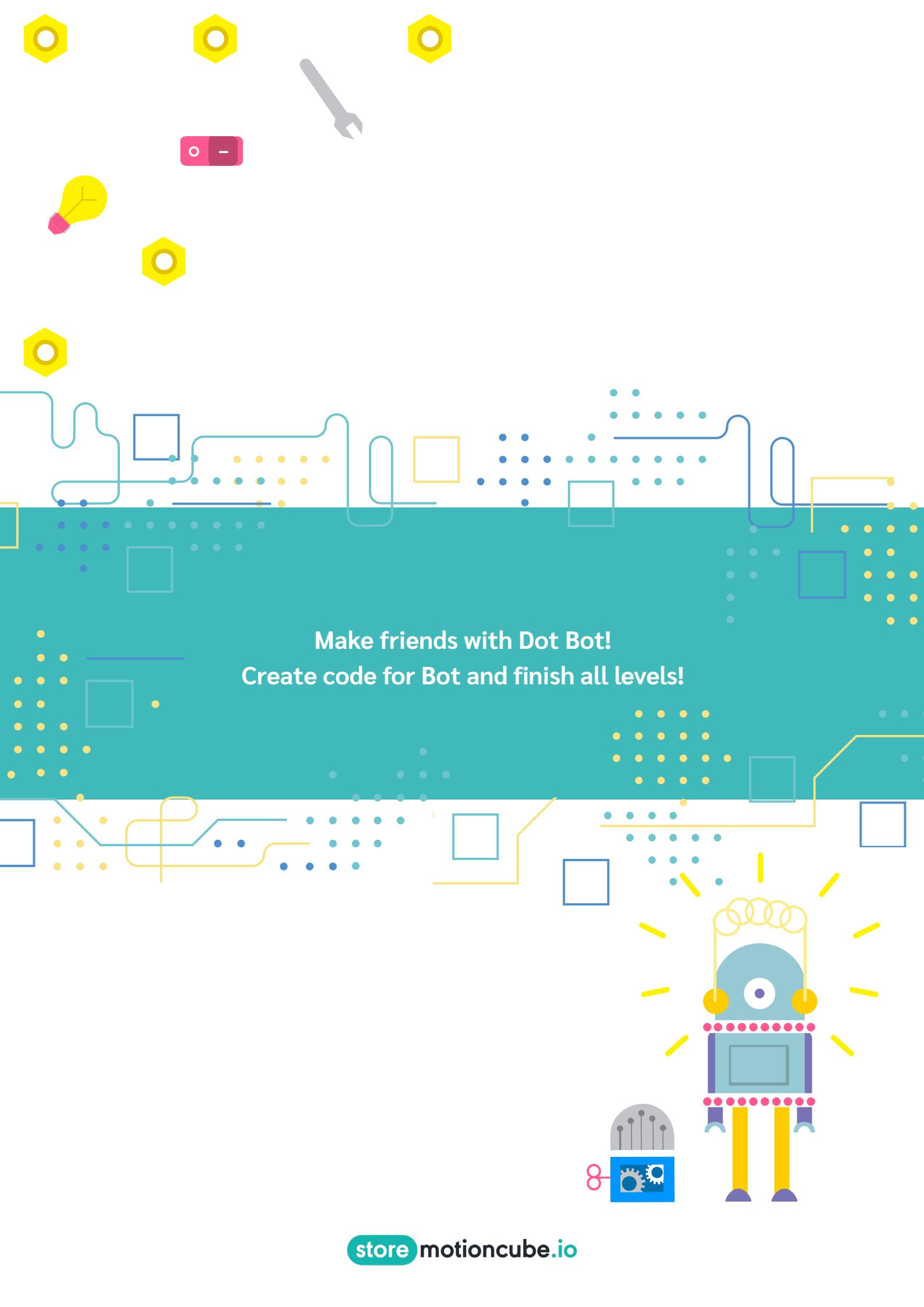
Make friends with Dot Bot!
Create code for Bot and finish all levels!
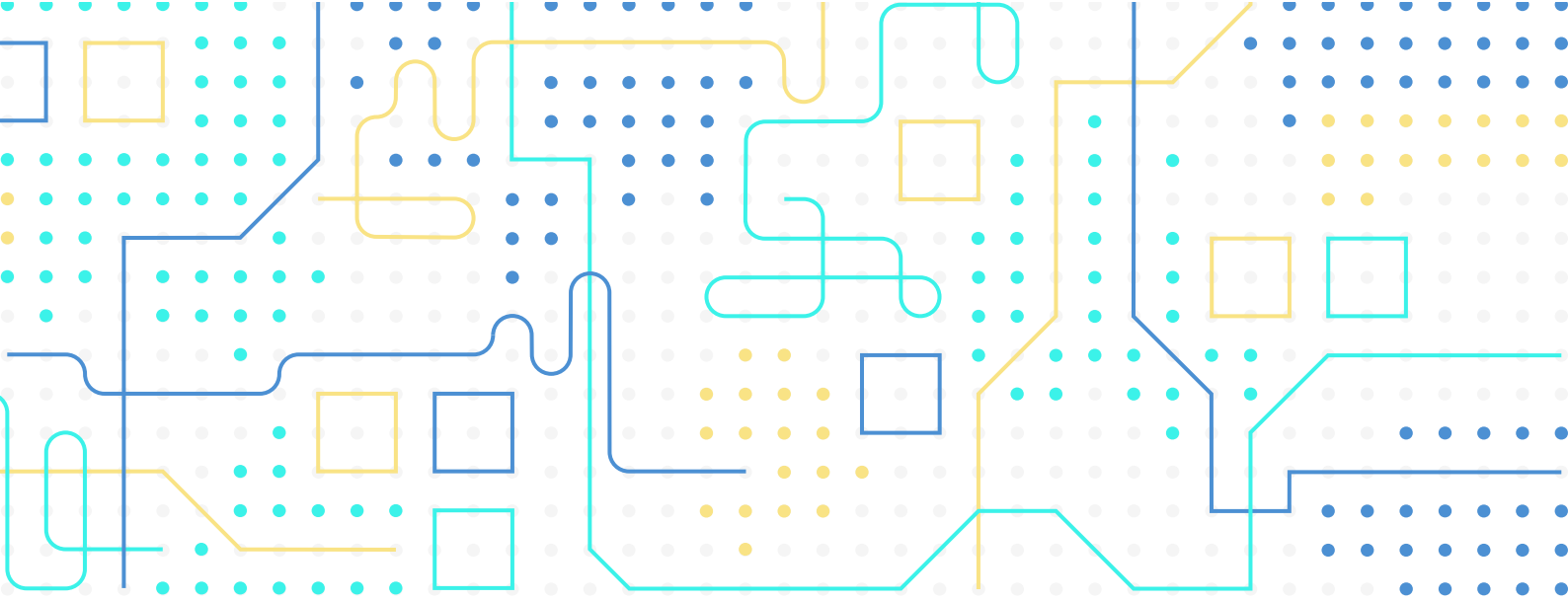
Check more on

www.store.motioncube.io