

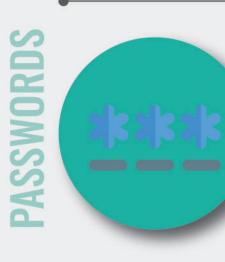
РУКОВОДИТЕЛЬ: ЯКОВЛЕВ А.В.

ВЫПОЛНИЛ: ГАЙДАШОВ И.С.

EMat

«РАЗРАБОТКА

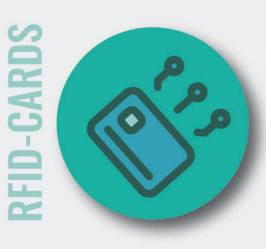
COMPARISON OF AUTHENTICATION METHODS



- Easy to lose
- SUSCEPTIBLE TO SQL-INJECTIONS
- Hard to determine if compromised

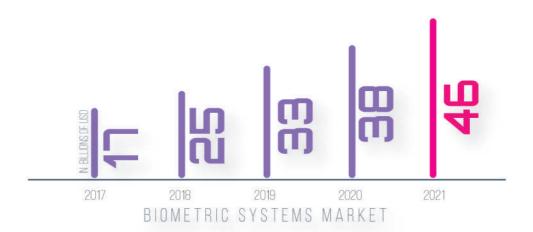


- UNIQUENESS
- IMMUNE TO DUPLICATION
- SIMPLICITY



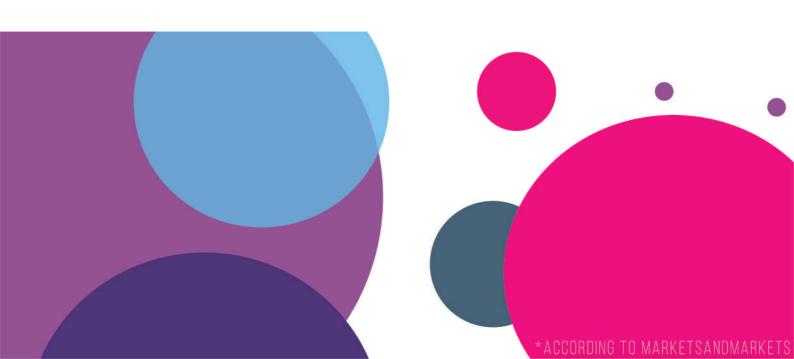
- Easy to ourlicate
- PRODUCTION EXPENSES
- USELEGG IF LOGT

STATISTICS AND PRICE









HOW TO USE IT



1. TAP THE SCREEN OF THE SCANER



2. WAIT UNTILL A MATCH IS FOUND



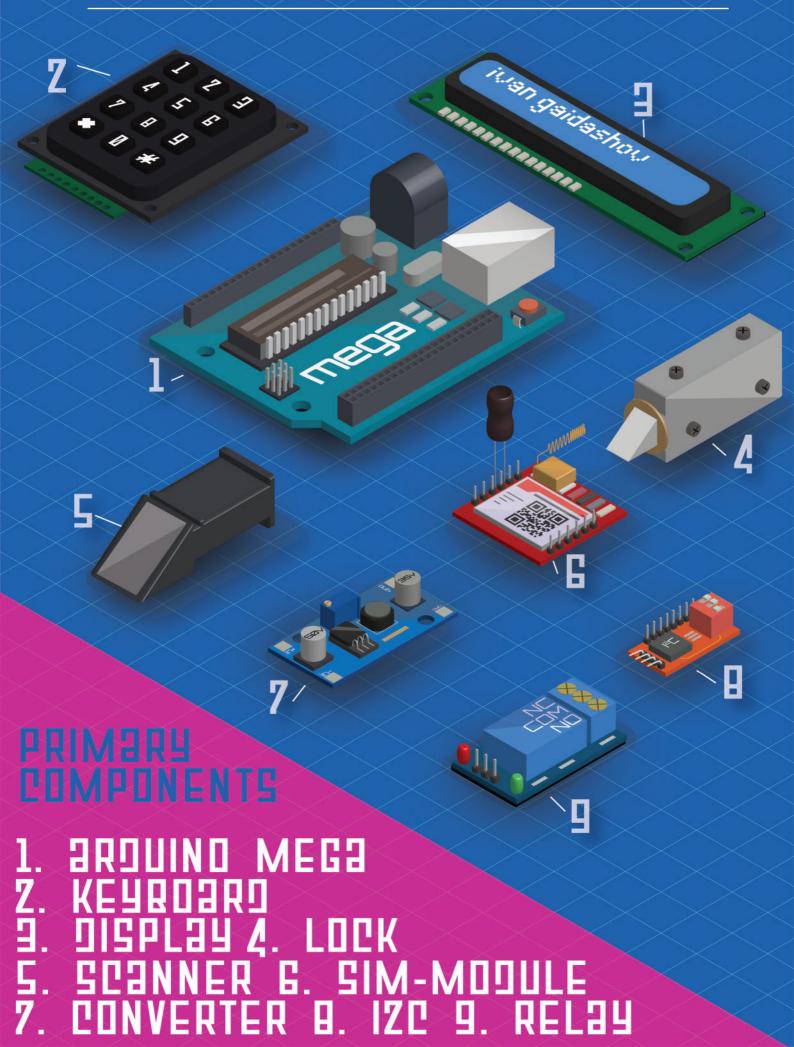
3. ONE-TIME PASSWORD GENERATION



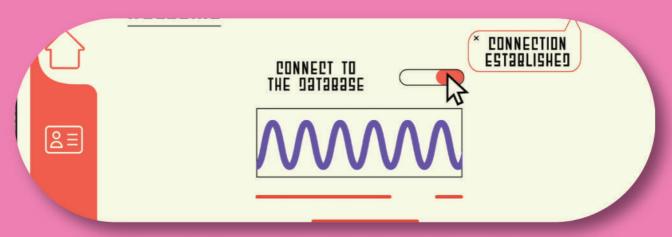
4. RECEIVE THE OTP VIA AN SMS



DEVICE SCHEMATIC



USER INTERFACE DESIGN



1. CONNECT TO THE DATABASE



2. SIGN UP A NEW USER



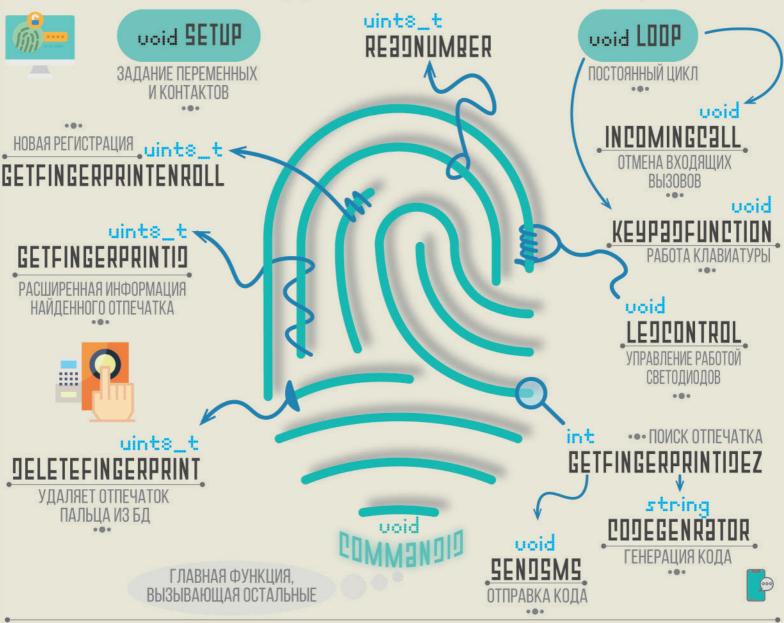
3. USER AUTHENTICATION

ПЕРЕМЕННЫЕ INT

BUTTONon, attempts, okn, buttonState, pinCodeInt, LEDGreen, LEDYellow, relay1, LEDRed

ENEVADLEKA

ВЗЗИМОДЕЙСТВИЕ ФУНКЦИЙ



ПЕРЕМЕННЫЕ СНОК

command, keys, rows, cols, c

OCLAVPHPIE INUP

byte colpins, bool fingermatch, byte rowpins

NEPEMEHHLIE STRING

pinCodeString, passwordinput, phonenumber, generatedcode, readSIM, answer