Algorithm 1 Code for the cards.tex file

```
%   MAIN FILE
%   ----------------------------------------

% Context:
%   Please note that this project is a tweaked version from source files share
%   https://tex.stackexchange.com/questions/47924/creating-playing-cards-using

% My process:
%   I translated and added comments in english to the file.
%   I used the DTLforeach command to read and print data from a csv file to t
%   This allows to make changes in the csv files (using google sheets for exa

% Notes:
%   testData.csv is a smaller data set
%   allData.csv is the bigger data set containing information

%   This line specify the documents class.
\documentclass[a4paper]{article}

%   The lines bellows inputs the others files in this cards file.
\input{libs.tex}
\input{colors.tex}
\input{tikzcards}

%   This line load the csv file, the name must match the csv you use and have
%       You can use several csv files for different languages.
%       I recommand that you use a smaller set of the data to make the test,
%\DTLsetseparator{,}
%\DTLloaddb[keys={Effect,Name,Images,Motor,Ecolabel,RectoBackground,Copies},h
\DTLloaddb{cardlist}{allDataStarterFrenchLens.csv}
%   This commande allows to not have
\pagestyle{empty}

%   Starting the document
\begin{document}
%   Starting a table on multiple pages with two centered columns and a centra
    \noindent\begin{longtable}[c]{c | c}
        %   For command to read trough each line of the csv file.
        \DTLforeach{cardlist}{
        %   Map each column header in the .csv file (case sensitive) and it h
            %\Copies=Copies,%
            \Effect=Effect,
            \Name=Name,
            \Images=Images,
            \Motor=Motor,
            \EcoLabel=EcoLabel,
            \RectoBackground=RectoBackground,
            \Copies=Copies
        }{
            %   Fronts of the cards, put in a TikZ picture environment, flippe

            \begin{tikzpicture}[node distance = 2cm,rotate=90,transform shape
             %
              \cardrectobackground{Pictures/CardsBackgrounds/\RectoBackground}
                \cardEcoLabel{\EcoLabel}
                % %   Put the image on the card, note the paths and mames mus
              \cardfrontimage{Pictures/StarterVehicles/\Images}
                % %   Give the card the name from the csv Name column
```

Algorithm 2 Code for the color.tex file

```
%  COLOURS OF THE ELEMENTS/COMPONENTS OF THE CARDS
%  ----------------------------------------------

%   Background color for the title box
    \definecolor{titlebg}{RGB}{30,30,30}

%   Colors of the "strips" to identify the different card types
    \definecolor{viColor}{RGB}{0,100,200} % Red Green Blue encoding
    \definecolor{electricVehicleColor}{RGB}{80,180,0}
    \definecolor{hybridVehiculeColor}{RGB}{180,50,150}
    \definecolor{thermicalVehicleColor}{RGB}{200,50,50}

%   Colors for the eco Label (C02 emission)
    \definecolor{ecoLabelA}{RGB}{13,130,70}
    \definecolor{ecoLabelB}{RGB}{44,181,73}
    \definecolor{ecoLabelC}{RGB}{142,198,62}
    \definecolor{ecoLabelD}{RGB}{235,231,70}
    \definecolor{ecoLabelE}{RGB}{226,171,45}
    \definecolor{ecoLabelF}{RGB}{215,93,41}
    \definecolor{ecoLabelG}{RGB}{193,32,38}

%  Color of the "strip" indicating the price of the cards
    \definecolor{pricebg}{RGB}{230,180,0}

%  Background color for the text area
    \definecolor{contentbg}{RGB}{255,255,255}
```

Algorithm 3 Code for the libs.tex file

```
%    REQUIRED LIBS
%    ------------------

%    Adjust document margins
\usepackage[margin=6mm, top=5mm]{geometry}

%    Font of the texts used on the cards
\usepackage{anttor}

%    UTF-8 encoding of the TeX files
\usepackage[utf8]{inputenc}

%     Multilingual support
\usepackage[german]{babel}

%    Micro-typographic adjustments
\usepackage{microtype}

%    Embedding graphics
\usepackage{graphicx}

%    Defining and using colors
\usepackage{color}

%    TikZ for "painting" graphics, in this case for the cards
\usepackage{tikz}
\usetikzlibrary{patterns}
\usetikzlibrary{shadows}

%    Packages to loads symbols to use as icons for the cards
\usepackage{pifont}
\usepackage{fourier-orns}
\usepackage{marvosym}
\usepackage{emoji}

%     Extended conditional commands
\usepackage{xifthen}

%    Tools to load and manipulate data, in our case the csv file
\usepackage{datatool}

%    Used to realise algebraic operations
\usepackage{calculator}

%    Used to have table that can span several pages
\usepackage{longtable}
```



```
% Used to include svgs for our icons in the cards
\usepackage{svg}
\usepackage[export]{adjustbox}
```

Algorithm 4 Code for the tikzcards.tex file

```
% COMMANDS FOR ASSEMBLING THE CARDS
% --------------------------------------------------

% TikZ/PGF Settings for the cards
\pgfmathsetmacro{\cardwidth}{6.35}
\pgfmathsetmacro{\cardheight}{8.8}
\pgfmathsetmacro{\imagewidth}{\cardwidth}
\pgfmathsetmacro{\imageheight}{0.75*\cardheight}
\pgfmathsetmacro{\stripwidth}{0.7}
\pgfmathsetmacro{\strippadding}{0.2}
\pgfmathsetmacro{\textpadding}{0.1}
\pgfmathsetmacro{\titley}{\cardheight-\strippadding-1.5*\textpadding-0.5*\stri


% Shapes of the individual card elements/components
% This command defines the shape of the card
\def\shapeCard{(0,0) rectangle (\cardwidth,\cardheight)}

% This command defines the shape of the long strip on the left of the card wi
\def\shapeLeftStripLong{(\strippadding,-0.2) rectangle (\strippadding+\stripwi

% This command defines the shape of the small strip on the top left of the ca
\def\shapeLeftStripShort{(\strippadding,\cardheight-\strippadding-1) rectangl

% This command defines the shape of strip for the cost of the card
\def\shapeRightStripShort{(\cardwidth-\stripwidth-\strippadding,\cardheight-\

% This command defines the shape of the strip for the title of the card
% \def\shapeTitleArea{(2*\strippadding+\stripwidth,\cardheight-\strippadding)

% This command defines the shape of the strip for the content of the card
% \def\shapeContentArea{(2*\strippadding+\stripwidth,0.5*\cardheight) rectang


% Define styling for the elements
\tikzset{
% Round corners for the cards
cardcorners/.style={
rounded corners=0.2cm
},
%% round corners for the "flags"
% elementcorners/.style={
% rounded corners=0.1cm
% },
%% Drop shadow for the "flags"
% stripshadow/.style={
% drop shadow={                4
% opacity=.5,
% shadow,
% color=black
% }
% },
%% Style for the "flags"
% strip/.style={
% elementcorners,
% stripshadow
% },
% Image for the card motif
```