# Slides content

01 April 2019 09:07

1.
our project aims to design innovative applications that use urban paths classification(using developed machine learning algorithms) with a purpose.
2/3.
Assumptions:
-availability of datasets from few cities(mostly in Italy) that allow us to perform an initial classification

Other assumptions????

4/5/6
Design thinking was very suitable because
-possibility to build a human centered discussion, creating a product around the user's beahviour, needs, wishes, and habits
-the problem domain is complex->lot of possible solutions
-feasibility of designing prototypes to be tested
-easy to get feedback from users
6/7/8
-exploration of apps with urban paths classification
Tourism:
- -Google Maps
- -AirBnb
- -Flio
- -Goggle Trips

Pets:
-pawparks.nyc
-ResQWalk

Tesla/electric cars:
-Waze
-Google Maps
-Supercharger for tesla
-plugshare
-chargeHub
-chargeMap
…..
Regarding Tesla/electric cars we came to the conclusion that the datasets we hold are not suitable for the project, in addition, it is more feasible and interesting(from an engineering point of view) working on pedestrian paths classification. Despite this decision, we believe that features from the tesla idea can be integrated in our final prototype.

Regarding the pets idea, we thought that a classification towards touristic usage can satysphy the needs of more users and can have more possibilities of innovations.

10/11/12

Maybe resume some of this that I wrote back then.

General idea:

Why not exploiting urban paths classification from a touristic perspective?

Concrete concept:

Develop an application able to guide a tourist through the whole touristic experience, suggesting paths with cultural point of interests(possibly those will be described by an audio guide)

How it works:

As a tourist I really enjoy being guided through a new city, because, most of the time, I am really disoriented. So I've thought about an app that suggests me a touristic path through the city based on:

-collected paths by datasets(optimal suggestions would be learnt by the app through machine learning techniques)
-my profile; when i register i put a lot of infos about my self like my attitudes
-the Learn profile; basically the app could collect my data through time to learn more about me and to optimize the suggested path
-various constraints entered before searching for the path(duration of the visit;food you'd like to eat; Monuments you'd like to see etc)
-history of visits
-percentage of compatibility(like netflix) recommendation system

-An app used by tourist for tourist only
-feedback from the user to be used as input for machine learning

-audioguides for touristic points, that follows you knowing where you are and updating itself

-suggestions also on means of transportation
-user based experience

-possibility of users to verify attraction or others
-suggests attractions based on how much crowded they are
-possibility of users interaction
-feasibility

-augmented reality guides+ glasses

From the design point of view there's a huge space of possibilities to explore, as well as from the architectural point of view.

Or maybe we can set the slides 10/11/12 like answering design questions?(What, what if, what wows what works)?? Don't know