# Information & Experience Sharing through Maps

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#### About the project

Map based Service application that uses user generated data to create and share information among the users

Use of maps in the spatial domain and use them as a tool for providing context based information

### My Approach

Background Study

**User Studies** 

Need Identification

Brainstorming & Mindmaps

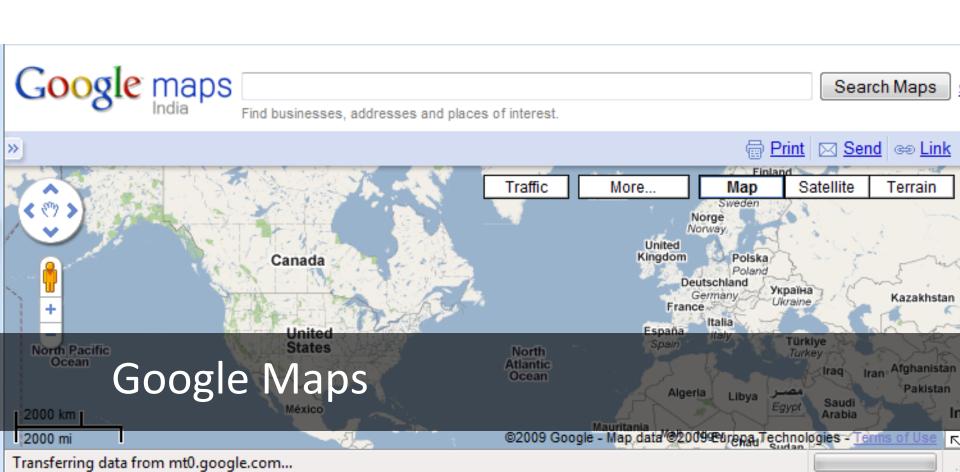
**Initial Explorations** 

User Testing 1

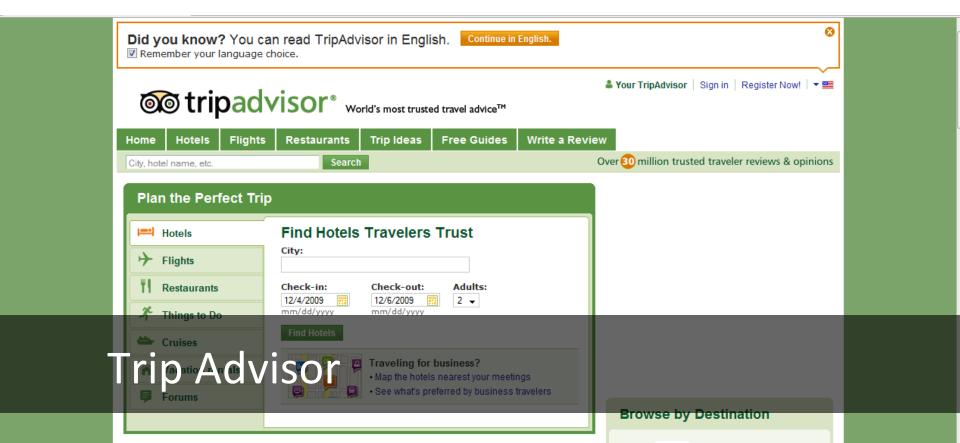
Final Concept

Prototyping

Web based "Map application"



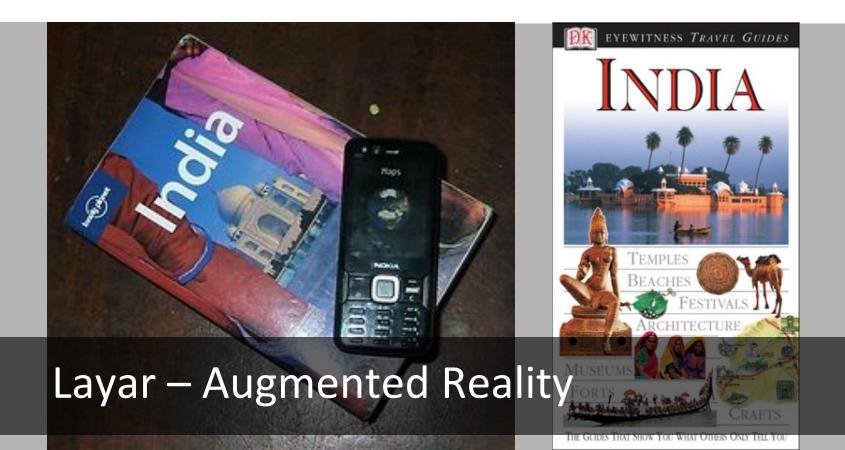
Web based "travel portal"



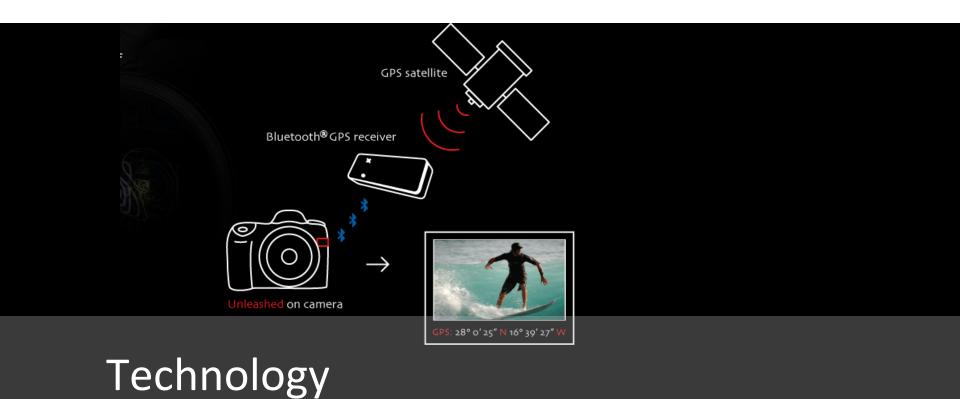
#### Mobile based application



Text + Maps



#### Geotagging



### Research Analysis

#### Positives:

Advanced technology

Large number of audience

Mashup applications

#### Negatives:

Personalization missing
Information load – (not needed always)
More textual
Structure

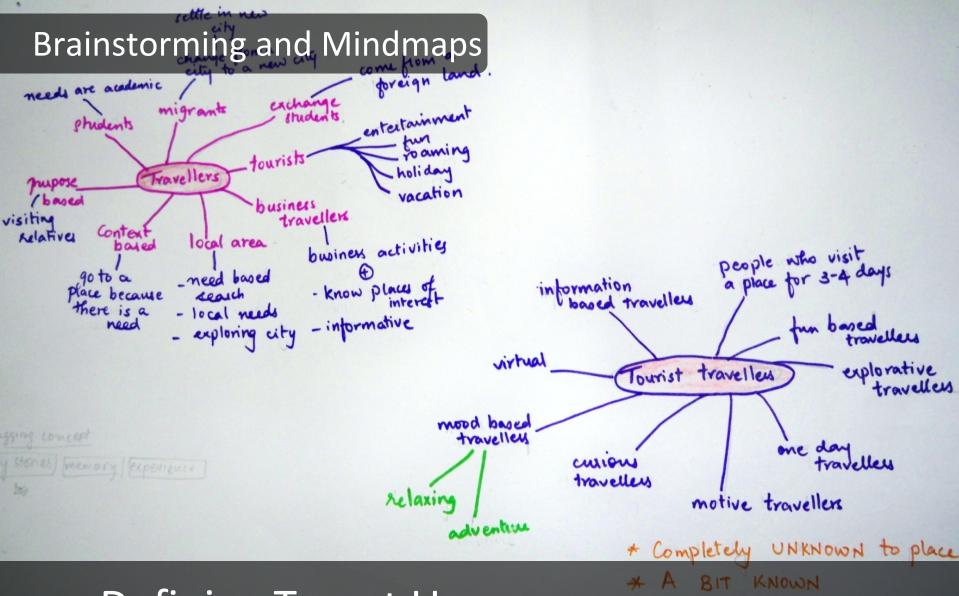
#### My users

### "Travelers"

New Location – what is around them

New People – communication

New Experiences – what makes the place memorable



Defining Target Users

#### **User Studies**

#### Objective

Needs and requirements

Information – most important

Obtain travel information

Gadgets

**Experiences** 

#### Travel stages

Planning

**Understand place** 

Decision making

On site

Information need

**Decision making** 

Time value

Back home

Sharing experiences

Preserving memories

#### Planning stage

Maps – Not effective for planning

Friend and family reviews

Systematic approach – Time consuming

Individual context

Continuous process

On site stage

Landmarks & local guidance

Decision making – cognitive load

Sharing experiences

Love explorations

Back to hometown

Preserve memories

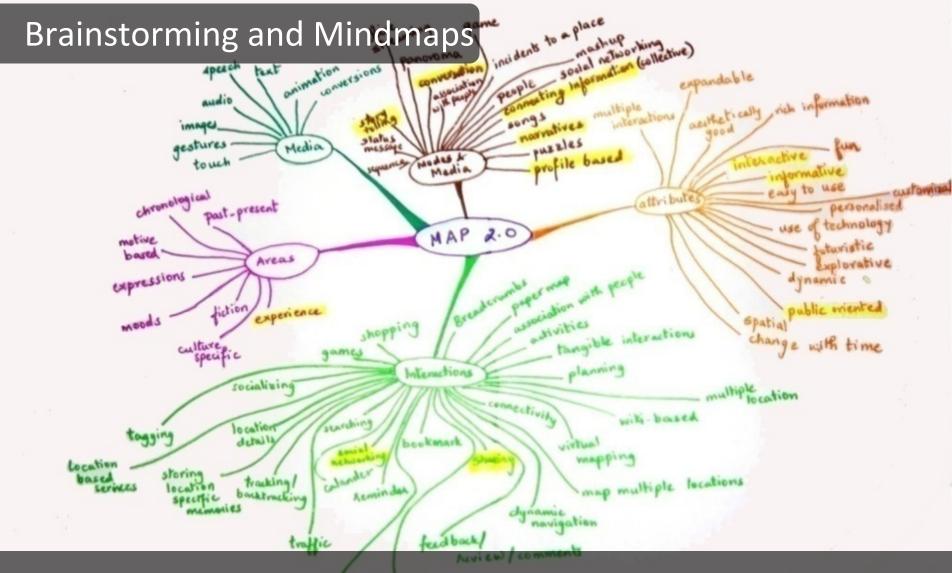
Sharing experiences

Referencing others

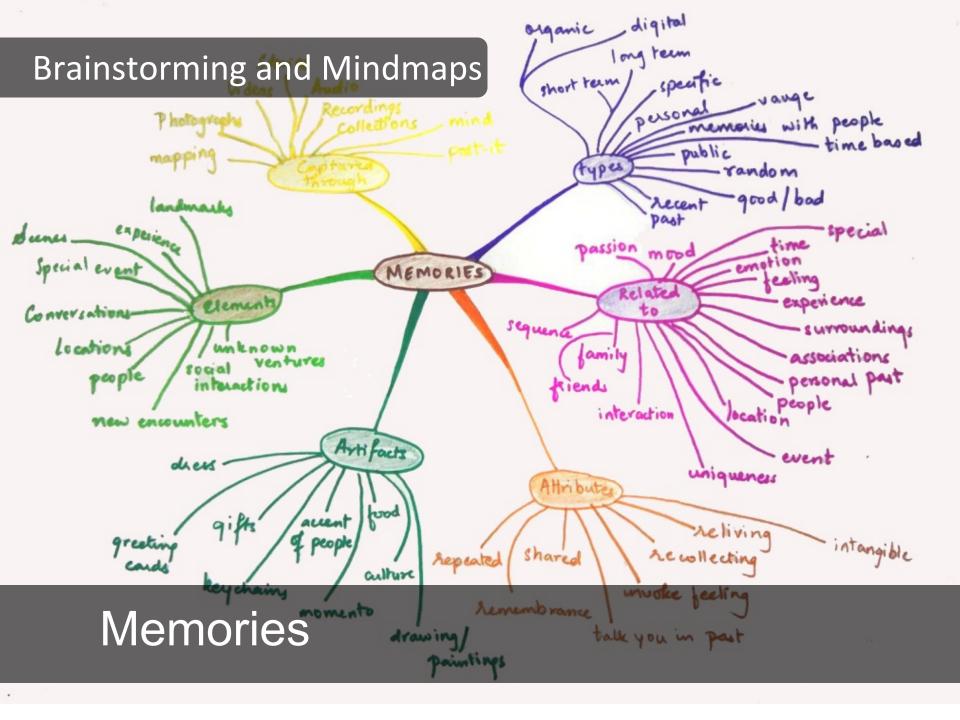
#### Conclusion

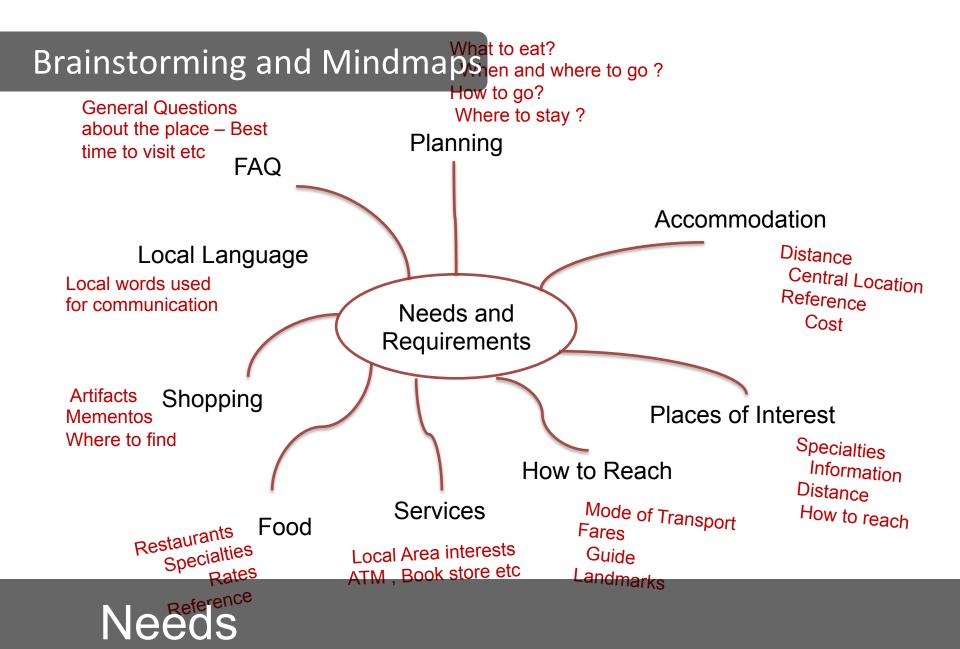
"Experience of one = Information to the other"

"Events change, people change but location remains constant" This changing dynamics of the location attracts travelers.



Maps 2.0





#### Need Identification

#### Requirements

Systematic yet flexible approach towards planning

Information given - Social and context based

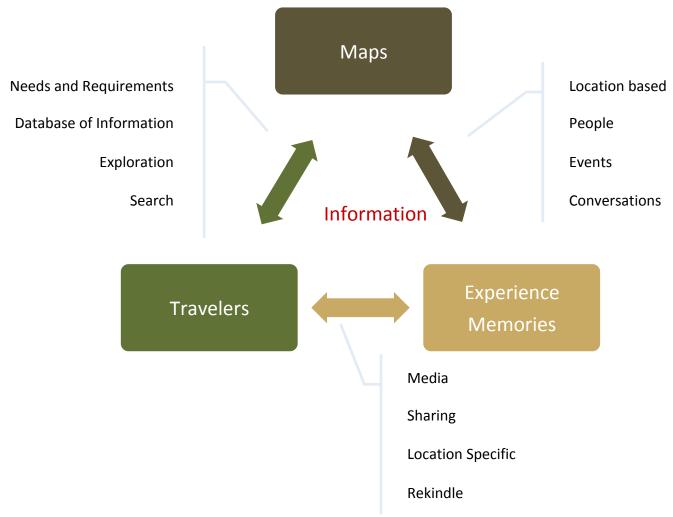
Only relevant information at upfront – layered approach

Link between planning and onsite experience

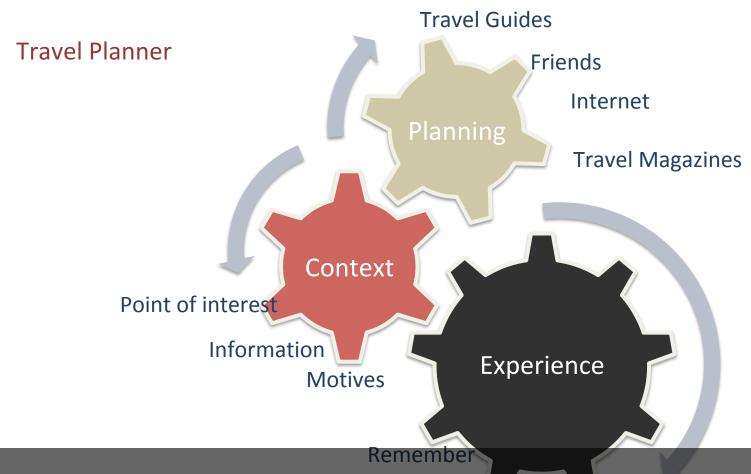
Allows sharing experiences

#### Need Identification

#### Keywords



Planning stage



Planning – Friends - experiences

On site stage

#### **Local Search Application**

Local Search

**Experience sharing** 

Networking

Information



1. Friend Help (Loading page)



2. Locates your current position



Enter keywords for search



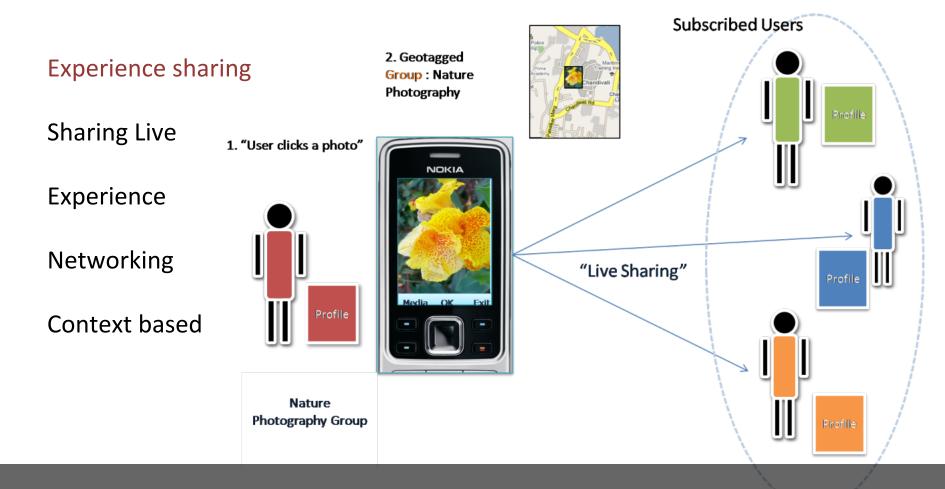
4. Search results based on reviews and ratings



5. Read reviews of the selected place

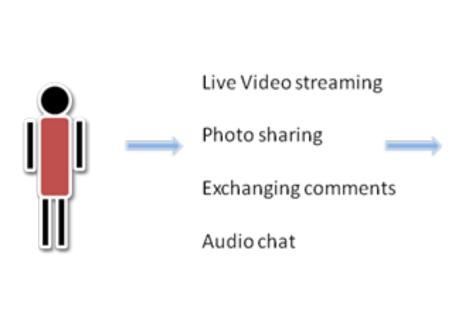
Search - Context based

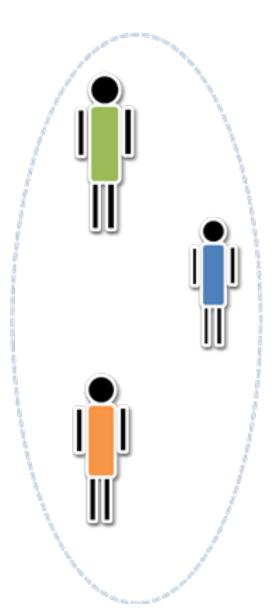
#### On site stage



User generated data

On site stage





#### Planning Stage

#### Travel portal - networking

Memory storage

Location context

Organization

**Stories** 



Reviews, Stories, Incidents, Events, Tips, Summary



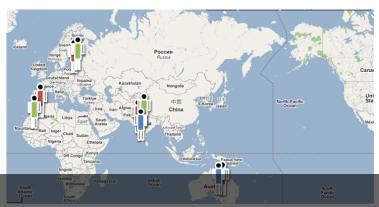
Pictures, Audio, Video



Context, Location, Memory, People

#### This set of 3 is created for each location you visit

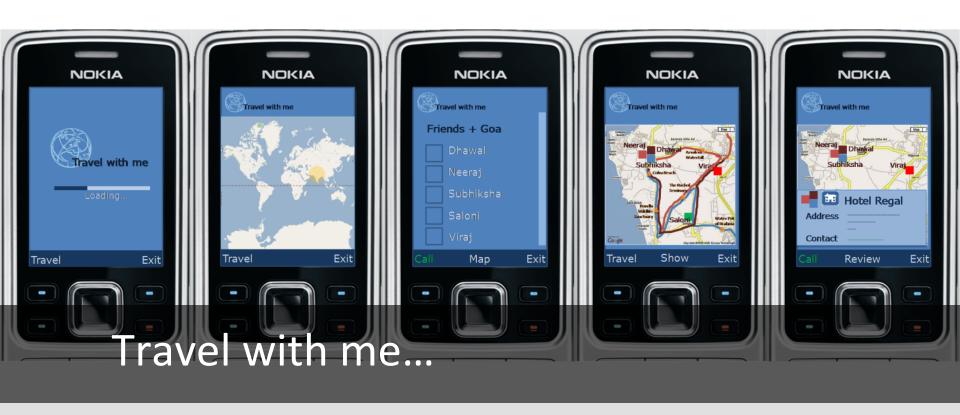
Every person is has a personal travel share where he maintains a diary, album and an artifact



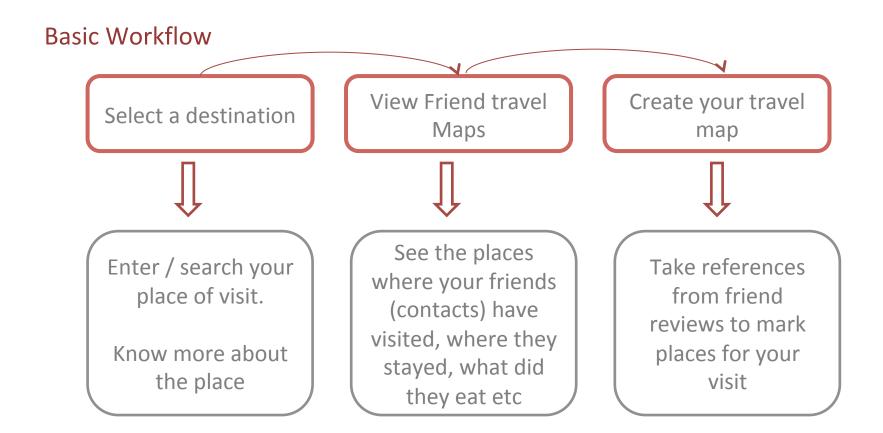
Chunking & Structure vel shares are mapped on to the map which serves as a database of collective information for the new traveller

### Initial Design Idea

#### Travel planner



### Initial Design Idea



### **User Testing**

Paper prototype



#### **User Testing**

#### Feedback

Maps - a distraction in the background

Guidance missing – from where to start

Place info displayed before friend maps

Highly textual data

Too many screens

### Final Concept

#### Travel with me...

A service application for travelers to guide them to the two most important stages of their travel.....

Planning stage

Onsite experience

### Final Concept



Reviews and Recommendations Media capture – photos , videos

#### **Experiences**



#### Information

Place to stay, eat, shop, etc.

Get context based and relevant reviews



Map – Geotagged data



### Key Features

Pocket application

**Structured Planning** 

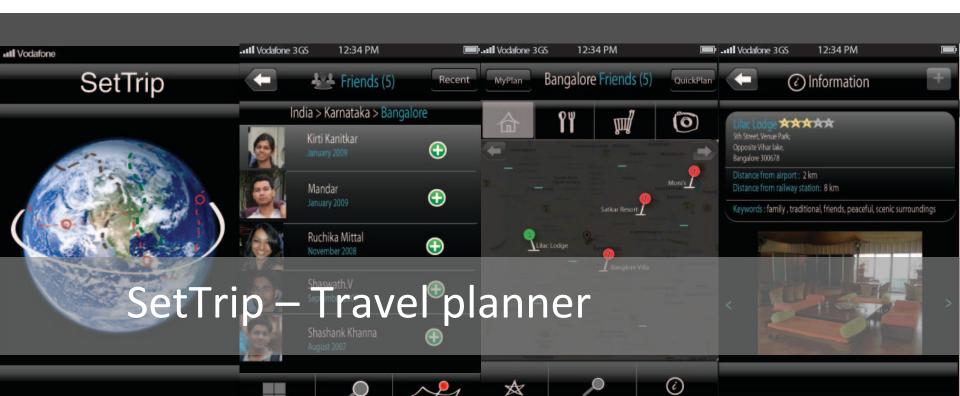
Quick planning – Locate - Tag - Save

Personalized content

Layered information – Required Text at upfront

#### Set Trip

Mobile based travel application – Planning Stage

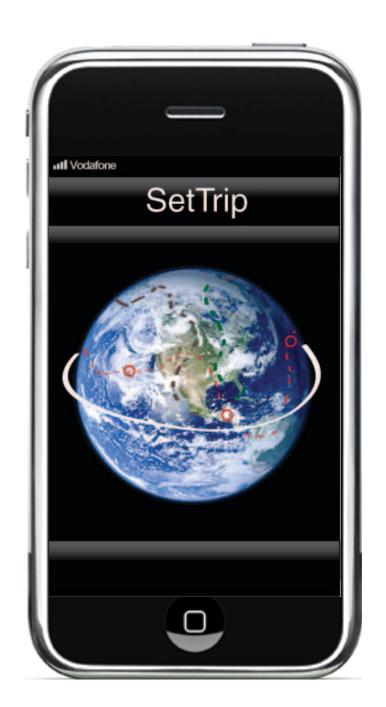


#### Set Trip

Plan your trip with reference to your friends trip

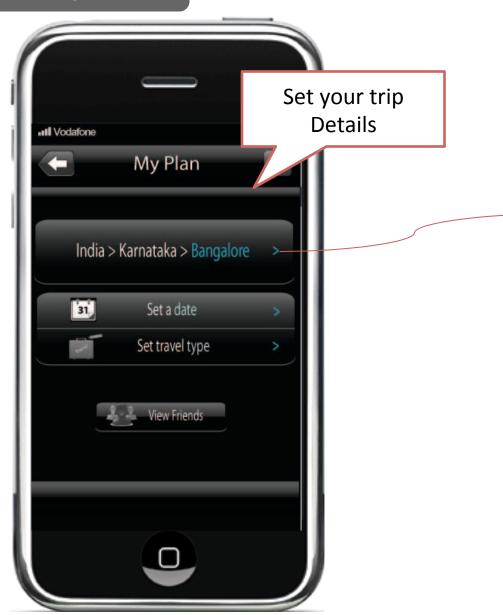
Make quick decision with reviews from your trusted ones

Make your own trip plan wherever you go





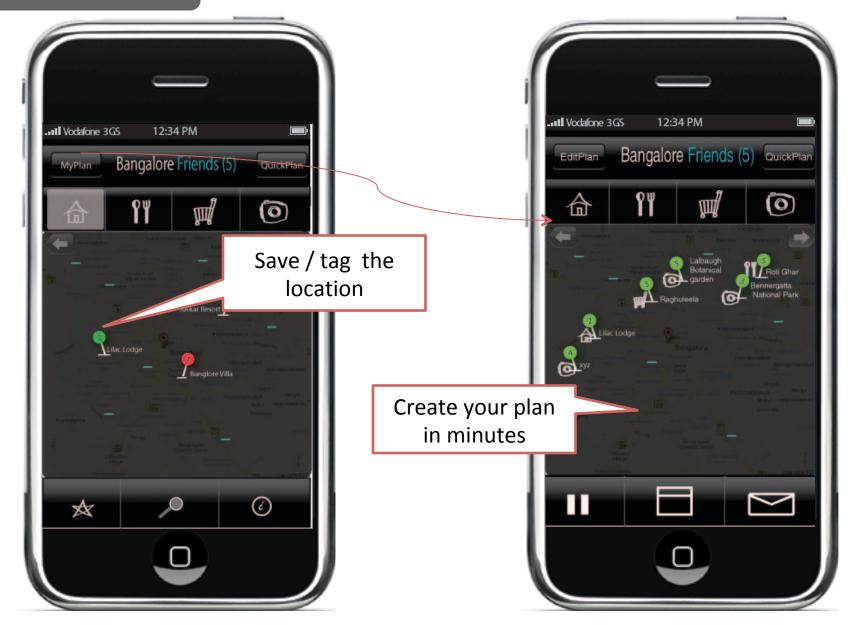




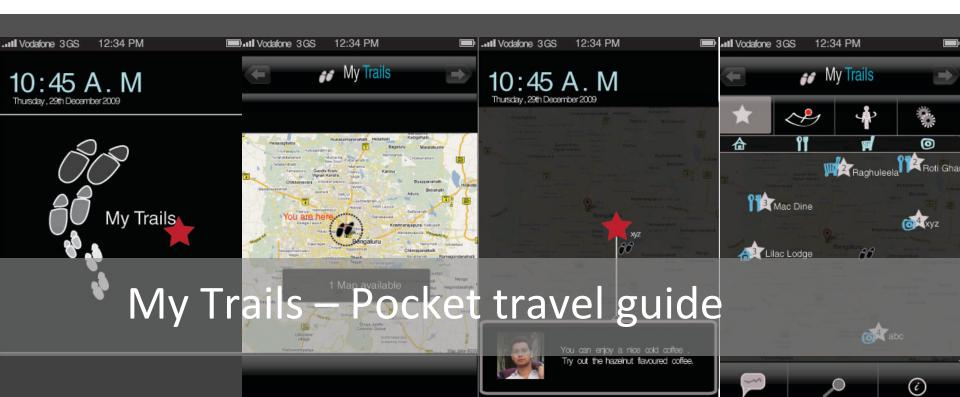








Mobile based travel application – Onsite Stage



Perk up your onsite experience

Get timely recommendations from friends

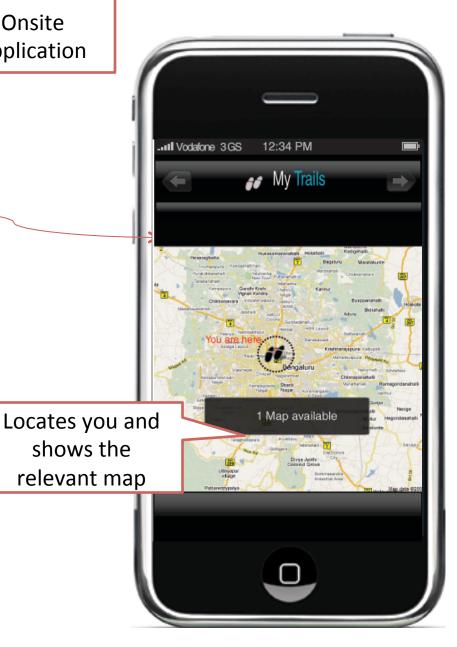
Leave your trails wherever you go

Acts as your pocket guide



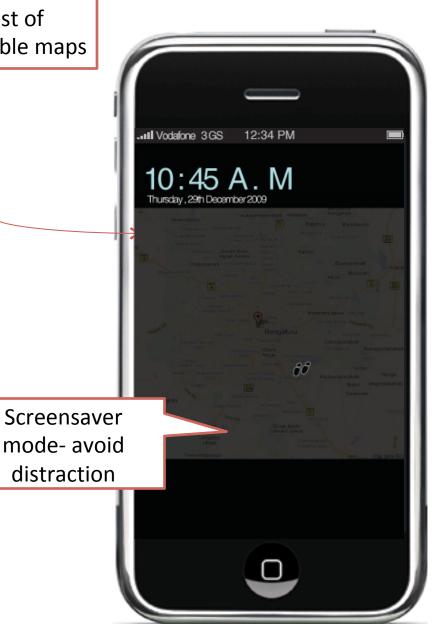


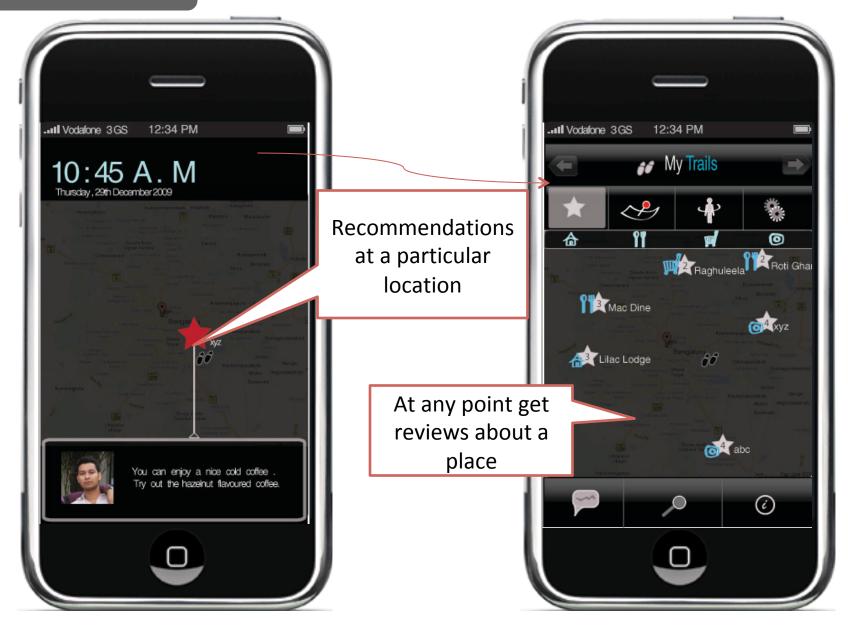
Onsite application





List of available maps





# Prototype

SetTrip

My Trails

## Future works

Application for the 3<sup>rd</sup> stage of travel can be implemented to link all three – Sharing information post travel.

The domain of Augmented Reality can be explored to come up with alternative solutions.

This application can be linked to an online portal to get richer results – mashup with social networking sites like Orkut and Facebook

More can be explored on the personal attributes of the users.

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# Thank you