

[Travel Advisor]

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Software Technology Engineering

[Semester 3]

[25/02/2023]

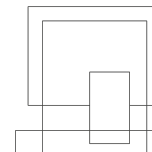
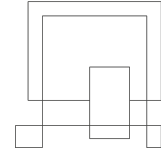


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1. Background Description

As a result of COVID-19 settling down, people have begun to travel again.

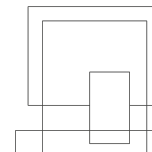
Global tourism arrivals will increase by 30% in 2023, following growth of 60% in 2022, but will remain below pre-pandemic levels. (Tourism outlook 2023)

As revealed by Skyscanner's 2023 travel trends report, consumers are making better, more informed choices about their discretionary spending, with 46 percent of travelers planning the same number of vacations in 2023 as 2022 and 41 percent intend to take more trips next year.

In order to accommodate impatient travelers, travel companies have resumed operations to pre-pandemic levels to meet increasing demand by tourists.(Euronews,2022. Global tourism rebounds strongly after COVID-19).

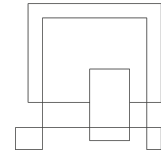
A problem faced by tourists is biased information or inaccurate information in the form of false or malicious reviews by anonymous people (Lance, L., 2022.) and sponsored locations which do not undergo background checks in order to meet certain standards due to travel agencies as companies main motivation being profit margins(Tegan, S., 2015.)

A travel advisor website specializes in providing expert advice and recommendations to travelers. The website's main goal is to provide travelers with important information to help them plan their trips, ensuring that they have an enjoyable experience. A travel advisor employs experienced professionals who are knowledgeable about different travel destinations, accommodations, transportation options, and activities. The advisor provides clients with detailed information about their travel destinations, including popular attractions, local customs, and safety considerations.The travel advisor helps clients look for



hotels, and transportation options, ensuring that they get the best deals and options by the use of reviews created by other users. In summary, a travel advisor is a valuable resource for travelers who want expert advice during their trips. The professionals provide customized recommendations and services, ensuring that clients have a safe and enjoyable travel experience.

Due to covid-19 a lot of people are oriented toward resuming their traveling plans which were hindered, and a tour planning tool is needed for people to organize their ideal traveling plans, and in order to achieve that people will need to have access to information about the places they want to visit. Many of the information provided by the internet could be considered as malicious and a detriment to the safety of the tourists.



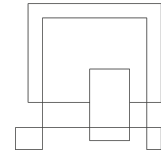
2. Problem Statement

Main problem:

Tourists face a lack of a reliable source of information from where they can plan their holidays to choose their excursions or activities free from bias.

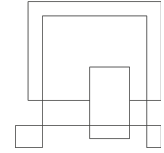
Sub problem:

- How to avoid outdated information?
- How to prevent malicious content ?
- How to prevent the denigration of establishments ?
- How to prevent advertised businesses from gaining an advantage ?



3. Definition of purpose

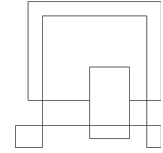
The goal is to provide a trustworthy source of information for travelers.



4. Delimitation

The project will exclude the following functionalities:

1. Hotel booking system.
2. Booking flights.
3. An app version of the system.
4. Purchases of any tickets/commodity.



5. Methodology

The team plans to use a combination of different elements of SCRUM, AGILE and UNIFIED PROCESS and combine the selected elements that the group sees fit to help us plan and develop our project.

Management plan for the project will be based on the agile methodology of SCRUM.

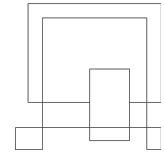
There will be no designated SCRUM master or Product owner and decisions made by the aforementioned roles will be decided on by the group with guidance of our supervisors such as when to terminate a sprint or declare a sprint as completed.

We will utilize the burndown chart but on a day to day basis to paint a clearer picture of our work and to help reflect on our process during different phases of the project.

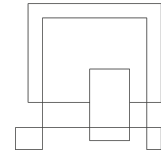
The team will also use product backlogs which will be a list of all user stories deemed relevant to the project and can be taken at any point during the sprint thus adding to sprint backlog and after completion moved to a list of completed tasks, as well as using the sprint backlog to showcase the development process of the project.

The team will organize a meeting and plan the requirements, analysis and afterwards domain model and test specification as a part of the Inception phase.

Implementation of the system features will be implemented during the Elaboration and Construction phase. Each time boxed sprint will last 3 days. To keep up and discuss plans for the next day, the team will do a Daily Scrum meeting lasting approximately 15 minutes. In Sprint planning will be discussed about goals and predicted outcomes for the approaching/future sprint.

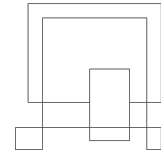


Sprint Retrospective and Review will follow every sprint. In those meetings there will be discussions about achieved work by every group member in order to improve the Sprint result.



Time schedule

Unified Process Phase	Project Phases	Hours (Total: 1100h)	Date
Inception	Preplaning, Requirements, Analysis, Domain model, Vision, Scope	Approximate hours spent: 125h	08/02/2023- 03/03/2023
Elaboration	Requirements, Analysis, Design, Implementation, Base program/Foundation, Class diagram, Test, Documentation	Approximate hours spent: 325h	03/03/2023- 10/04/2023
Construction	Code construction, Unit testing, Additional features, Diagrams, Report writing	Approximate hours spent: 450h	10/04/2023- 15/05/2023
Transition	Testing, Final Documentation, User manual, Hand	Approximate hours spent: 200h	15/05/2023 -01/06/2023



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8.Feb

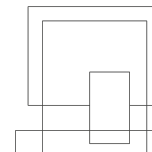
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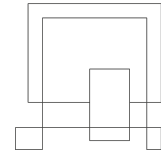
15.05.

1.Jun



6. Risk assessment

Risks	Likelihood Scale: 1-5 5 = high risk	Severity Scale: 1-5 5 = high risk	Product of likelihood and severity	Risk mitigation e.g. Preventive- & Responsive actions	Identifiers	Responsible
Prolonged Development Time	4	3	18	Regular SCRUM meeting and follow-up on results		Everyone
Ambitious scope	4	5	20	Establishment of main goal before addition of supplementary goals		Everyone



7. Sources of Information

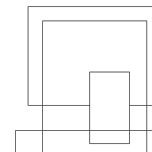
Euronews, 2022. Global tourism rebounds strongly after COVID-19-[online]
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<https://www.euronews.com/travel/2022/11/30/global-tourism-rebounds-strongly-after-covid-19> [Accessed 22 February 2023]

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Tegan, S., 2015. Why you should never, ever trust a travel agent-[online]
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<https://thenewdaily.com.au/life/travel/2015/04/28/never-ever-use-travel-agent/>



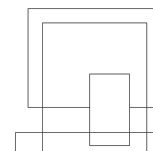
European Economic Intelligence report on the touristic prediction in 2023[online] Available at:

<https://www.eiu.com/n/campaigns/tourism-in-2023/>

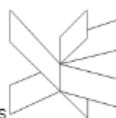
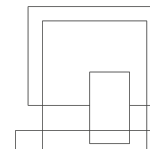
[EIU 2023 tourism prediction]

<https://roadbook.com/travel/travel-trends-2023-industry-insiders/>

(travel trends)



Appendices



Group Contract Template - VIA Engineering Guidelines

Group Contract

Group Name :

Group, too

Date: 23/02/23

These are the terms of group conduct and cooperation that we agree on as a team.

Participation: We agree to....

Facilitate the work evenly between the members, so that every member would get the chance to develop and practice on the proper skills gained throughout the semester.

Communication: We agree to...

Communicate any kind of problem or necessary information within the group, and contact the supervisors if any problem arises.

Meetings: We agree to....

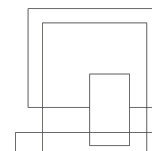
Have meetings regularly and discuss the way to do the project and to inform other members about late arrival or issues with arriving to meetings.

Conduct: We agree to....

Treat each other with respect and to never engage in harsh arguments and try to recognize each other's contribution.

Conflict: We agree to....

Provide reasonable solutions in a respectful manner. If the matter can't be solved in the group supervisors will be asked to step-in.



Group Contract Template - VIA Engineering Guidelines

Deadlines: We agree to....

Set up deadlines and finish the specific tasks for the agreed deadlines.

Other Issues:

In case of any other problem we will contact the supervisors.

Group member's name	Student number	Signature
Ameya Mahankal	326157	<i>AmeyaMahankal</i>
Joan Tammo	325753	<i>JoanTammo</i>
Lucija Domljan	325591	<i>LucijaDomljan</i>
Zsolt N6v6	326345	<i>ZsoltN6v6</i>

Version: August, 2018
Template responsible: dans@via.dk