

Project Description

Group 7

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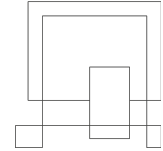
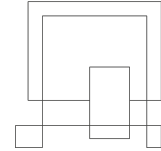


Table of Contents

Background Description	1
Problem Statement	2
Definition of purpose	3
Delimitation	4
Methodology	5
Risk assessment	7
Sources of Information	8



Background Description

Mr Ullman is the owner of the overlook hotel, a small but luxurious hotel with a rich history, it has been owned by the same family for generations.

The hotel it's relatively small. It only have 42 rooms distributed in 3 floors.

The typical guests come all over the world to the overlook hotel to appreciate its history and for the family-like atmosphere, the traditio is the main point in the Overlook hotel, it can be found everywhere starting from the staff or exteriors to the rooms itselfs.

Having this in mind the owner was in doubt about adding more recent components, to remain as true to the hotel's past as possible.

However Mr. Ullman now thinks that the same components that are giving the traditional look to the hotel are compromising the possibility to grow for his business, so he decided to update the booking system and the old website so he's asking for a newer way to add his reservation and a new looking website.

Now the receptionist is writing everything (needed to save the booking status) in an old ledger that's kept in the front desk but they're having a lot of problems both with double bookings and with refusing guests when they would have had room for them.

And the website was made a long time ago. It have a not popular style and now a lot of guests (and probably even possible clients) are complaining about it not being cross-platform.

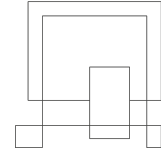
To resolve this problems we could use an online booking system (like booking.com), that can handle everything from a website so we could restyle the new page and optimize the booking system in one big solution, but Mr. Ullman doesn't want a booking system (" Like I said, we do not want an online booking system at the moment. Perhaps we might be interested in it sometime in the future") so we will focus on two separate different solutions. the website to make it responsive and the booking system that will substitute the old ledger and is gonna be used by the employers.

It will be really challenging to work on this project because we will have to implement a relatively new technology into an old "ecosystem".

Mr Ullman is right : "I guess they just do not make hotel receptionists like they used to "

It's really strange nowadays tol see a hotel that's not using an online booking system or at least a digital booking system, but the owner is also worried about the look of the Overlook Hotel, moving troward new gadgets means also moving away from traditions.

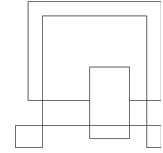
To minimize this fear we will try to use vintage themes, so also the website can give the same feedback that the hotel's furniture and the staff gives.



Problem Statement

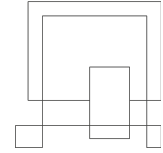
The booking system of the Overlook Hotel has shown to be unsuccessful, and because of that, many guests have been turned away due to a fake unavailability of the room.

- How could we make the booking system more effective?
- How would the employees be helped with this system?
- What data are we going to save from the guests?



Definition of purpose

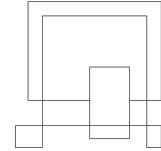
The purpose of the project is to make a first website for hotel that uses an old ledger to make room bookings for guests. Our website will help hotel to welcome more guests, help with room booking. It will automatically make a daily schedule of arrivals and departures of guests that the hotel was struggling with the most. And of course this website will make the hotel more modern in the eyes of guests.



▪ **Delimitation**

We will not include an online booking system, just availability for guests to see if a room is available, and possibility for the employee near the computer to change room status and do the booking for the guest.

We won't make a login system for each employee. The program will be available on the computer, and every person behind a desk will access the program.



▪ Methodology

After doing research we chose the Waterfall development method because it's one of the most traditional software development methods.

The Waterfall method is a rigid linear model that has this phases:

1. Requirements;
2. Design;
3. Implementation;
4. Verification/Testing;
5. Deployment/Maintenance;

Requirements

The project manager tells everything the project needs.

Design

According to the requirements do the design the project (scenarios, layouts, data models).

Implementation

After the design phase, we start coding the project based on the requirements and design.

Verification/Testing

Before releasing the project we need to test everything, be sure it is 100% working without any errors and all the requirements have been completed.

Deployment and Maintenance

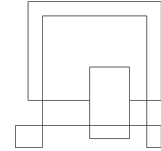
After deploying the project the maintenance phase begins, to make updates and change requests by the client.

Each phase must be completed in order to move to the next phase.

Usually there's no need to go back to a previous phase and modify something, so everything must be well thought.

This method makes it easy to understand and manage the project. Projects with clear objectives and solid requirements are the best for this method.

Waterfall is a good software development method for less experienced teams.



▪ Time schedule

START		Week 11	
	days	WEEK	MONTH
HOURS OF WORK	4.3	9	35H
MEETINGS	Tuesday and Thursday	every	every
FINISH		Week 21	

Week 10) Start working on case description and the website

Week 11) Start working on project description and the website

Week 12 to 13) Work on project description

Week 14) Gather all the informations about Overlook Hotel

Week 15) Planning an sketch about the usage of programs and how the outcome should look

Week 16) Starting working on Java

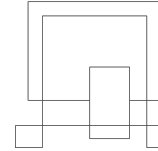
Week 17) Checking the progress and continuing working in Java

Week 18) Putting the code together and if there are bugs fixing them

Week 19) Solving the bugs and cleaning the bug

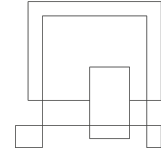
Week 20) Working on HTML and connecting it with our program

Week 21) Fixing the bugs and handing it in.



▪ 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
It is not possible to get in contact with the Overlook hotel manager	3	2	6	Set up a good contact method with the manager and try to ask every perplexity on the first meeting	No response on mail, phone, messages etc	Mr. Ullman
Unable to connect the Java program with HTML website	2	3	6	Planning the time and self-studying to be able to overcome this problem and ask a group member for help.	Not having the adequate programming skills	Group 7
Not being able to deliver the whole project on time	1	4	4	This problem is 100% avoidable with good pre-planning of meetings and respecting the contract.	Not checking on everybody's progress . Bad management of time	Group 7



▪ Sources of Information

- -Via documents :
 - TheOverlookHotel.pdf
 - 2019 Support Document Project Description
 - Project description.pdf
- www.youtube.com
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