Calandlyceum

Saifeddine Boujeddaine Kenza el Hassnaoui Dunya van Erve Sofia Errachidi

Happy Watoto







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General information



In front of you is the Plan of Approach (PVA) that was written for client Elise Lufting, volunteer at Happy Watoto. This PVA explains which steps are carried out in the project to arrive at the described end product.

Authors:



Saifeddine Boujeddaine (captain): 15 years 117880@calandlyceum.nl

Goals:

- Decisiveness (EC): If it is necessary for the progress of a project, decisions are also made in which different interests are at stake.
- Listening Skills (BA): Let the other person finish speaking.



Kenza el Hassnaoui (teammember): 16 years 117978@calandlyceum.nl

Goals:

- Empathy (EA): Asks about the experiences, feelings, needs, and points of view of others.
- Result-oriented (DB): At the end of a meeting, states what the (SMART) agreements are or asks about them.



Dunya van Erve (teammember): 16 years 117938@calandlyceum.nl

- Empathy (EC): Describes the other's discussion groups and checks whether they have been observed correctly.
- Judgment (FB): Considers the risks of harm (what will go wrong if things don't work out) and considers how they can be limited (what to do if things don't go well



Sofia Errachidi (co-captain): 16 years 117936@calandlyceum.nl Goals:

Goals:

- Daring (FA): Does not hesitate to take unpopular measures.
- Conversational skills (FB): Takes into account differences in needs and interests in contacts of different levels.

General information

WATOTO Tanzanian homes & schools

Client

Happy Watoto (Tanzania), Represented by Elise Lufting with many other volunteers

E-mail: <u>info@happywatoto.nl</u> Tel: +31 (0) 6 17 111 701

Website: https://happywatoto.nl/

Date

This project runs from October 08, 2021 to December 20, 2021.

Teachers

Gerard van Soelen Contact: gvansoelen@calandlyceum.nl Dion Lembekker Contact: dlembekker@calandlyceum.nl

School

Calandlyceum Pieter Calandlaan 182, 1068 NT Amsterdam



1: Elise Lufting | client



2: A picture of the team (1: Dunya, 2: Saifeddine, 3: Kenza & 4: Sofia)

Summary



An assignment is being carried out for the NGO Happy Watoto. This organization helps vulnerable children (3-18 years) in the Arusha region, Tanzania, to build an independent life. The assignment is to design a sustainable and innovative library for the school and orphanage supported by this company. The plan for this starts with research into various points to be addressed, such as material, size, protection and recognisability. These points should be applied to the design and a prototype of the library will be created, which will be placed in a sponsorship video along with background information. The design should be ready for use in January 2022.

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Introduction



The authors of this plan of approach are Saifeddine Boujeddaine, Sofia Errachidi, Dunya van Erve and Kenza el Hassnaoui of the Technasium at the Calandlyceum in Amsterdam. The Technasium is a science program in which the students follow the subject R&D (Research and Design).

They do assignments for companies and organizations in which something needs to be researched or designed. In this project, an assignment is carried out for an NGO, a non-governmental organization. These types of organizations are usually not focused on making a profit and use volunteers.

The aim of this project is to have an NGO in a third world country is sought and contact is made with the local population.

An NGO has been chosen that focuses on Tanzania and operates from the Netherlands.



3: The logo of the Technasium

Chapter 1. Reason & Relevance



1.1 Client

Our client is Elise lufting. She studied economics and business administration. During that study she did volunteer work for three months in the children's homes of the foundation in Tanzania.

This experience touched her deeply and fueled her mission to make a major positive impact on society. As a result, she has gained broad experience in social and sustainable projects. She worked at the ING bank in Asia and London.

She then managed a private equity portfolio for the Dutch development bank. FMO, in Africa and Asia. At Deloitte, she was responsible for setting up a new team focused on enterprise windowing.





4: Elise Lufting

1.2 Mission

Situation

Happy Watoto focuses on the future prospects for vulnerable children, by offering them a safe environment, education and help finding work. English-language education, from kindergarten to vocational training. That's what the kids need. According to the Education Inspectorate, it is mandatory to have a library that belongs to the school.

Problem

The library cannot be created just like that. There is no space nor money available. But the library needs to be built.

Expectation

The client expects an innovative* solution for the library that must be present. This must be presented in such a way that it is attractive to potential sponsors. Furthermore, the library must be made as cheap as possible. The necessary information for this must be obtained by researching the materials. The final product is fully elaborated in a final end report.

The library must be built, this is essential for the development of the orphans!

^{*}Innovative refers to the application of new technologies in products, services and processes.

1.3 Preliminary investigation



In order to find information about our project, we have done research into our client Elise Lufting, the company Happy Watoto and the country where Happy Watoto is active; Tanzania. We have formulated this information in the 5W and Haustions.

1) Who is the client?

Our client is Elise lufting. She studied economics and business administration. During that study she did volunteer work for three months in the children's homes of the foundation in Tanzania; Happy Watoto.

2) What is Happy Watoto and how did the company originate? Happy Watoto is an NGO company in the Netherlands that operates in the country of Tanzania.

At the end of 1998, Jan Willem ter Braak was sent to Tanzania for three years to privatize Kilimanjaro Airport. During that period, together with his wife Ida, he supported hospitals, schools and street children's projects. By chance, they ended up at an ailing orphanage in the village of Kikatiti. The building was in bad shape. Jan Willem and Ida decided to buy land and build a new house, which they financed by starting a fundraising campaign in the Netherlands. The foundation was established on 26 December 2000 to provide structural assistance.

Two years later, in October 2002, the new children's home, Kikatiti Happy Watoto Home, was opened. The foundation grew into a foundation with a clear mission and vision and a structured approach. In 2008 the board decided to open a kindergarten and in 2010 the primary school with associated living facilities was opened. Since 2013, we have been shaping the follow-up trajectory (secondary and vocational education). For this we work together with external educational institutions. All this with the aim of helping the children further on their way to an independent existence. And from 2020, that last phase has also entered and they annually guide the graduated children to work and thus to independence. Because only then they are done!

1.3 Preliminary investigation



3) What does Happy Watoto do?

Happy Watoto helps vulnerable children (3-18 years old) in the Arusha region, Tanzania, to build an independent life. They do this by offering them a safe and healthy environment and access to quality education. During the entire process, attention is paid to developing general skills. Their approach thus substantially increases the employment opportunities for these children.

4) Where is Happy Watoto active?

Happy Watoto is active in the developing country Tanzania. Tanzania is home to approximately 44 million people, which is one of the largest countries in Africa. Tanzania is a democratic country. The population consists of 62% Christians, 35% Muslims and 3% of the population has another religion. In Tanzania, most people live below the poverty line. There are as many as 12.7 million people living in Tanzania on 0.97 cents a day. That is because there is a large population growth that increases by 2.6 percent per year.

Tanzania is rich in a whole range of valuable raw materials. Among other things, 3,000 tons of copper are extracted annually, 10 tons of silver and more than 100,000 carats of diamonds. Initial tests show that there is a considerable amount of uranium at the foot of Mount Kilimanjaro, the highest mountain in Africa. Chinese have been granted licenses for a search for oil and gas.

And unique are the blue/purple Tanzanite gemstones that are mined in the north of the country. Things are gradually getting better in Tanzania. There is suddenly a lot of fertile soil. This is very useful for all companies. They can make a lot of money from that. They buy or rent a piece of land in a developing country for a long time. There is usually plenty of space there and foreign investment is more than welcome.

1.3 Preliminary investigation



5) Why was Happy Watoto founded?

Education is the key to the development of a child and of a society. A child who receives a good education is given opportunities for the future. That is why every child has the right to a good education. Anywhere, anytime.

Every child should be able to go to school. Children should be able to go to primary school for free. They should also be able to follow as much secondary and higher education as possible, if they want to. A teacher should not yell at a child, nor should a teacher hit or scold a child. Countries must help each other to ensure that every child can go to school.

A country must provide extra protection for a child who cannot live with his own family. Sometimes the best solution is to live in a completely different place. This is then a place where children in these situations are well cared for. For example, in a foster family or a shelter with other

Poverty. It means sleeping on the floor. Not having enough to eat. Own two pieces of worn, washed or torn clothing. Not being able to go to the doctor. Can't send children to school. Spend what you earn immediately, day after day. Having no choice, no perspective. Children living in poverty must be helped. Everyone agrees with this. That is why Happy Watoto offers a home and school to the Tanzanian children who live in poverty.

6) How does Happy Watoto help the Tanzanian children?

Happy Watoto Foundation enables vulnerable Tanzanian children to build a better, independent future. They do this by creating a safe environment, in which solid education is central.

Their three pillars are:

- 1. Shelter: a safe shelter when there is no basic care or safe place at home.
- 2. Education: English-language education, from kindergarten to vocational training.
- 3. Career guidance: Guidance in finding a paid job, or setting up your own business.



1.4 Program requirements

Requirements	Verification method		
Target audience:			
1. A school that belongs to an orphanage in Tanzania.	A document is sent by the client in which it is clearly indicated how many children are present.		
Product:			
2. Innovativeness A degree of potential discontinuity that the product (process) can generate in a marketing or technological process.	A brainstorming session is held in which various new ideas are devised, which are later presented to the client.		
3. Room A new and effective way must be offered to provide an extra seat creating an 'extra learning environment'.	A 3D drawing/model is created in which it is clearly shown to scale how much space can be freed up that can be used again for the end product.		
4. Durability All materials at the disposal of Tanzania must be used.	A literature search is being conducted into all available resources in Tanzania that can be used for the project.		





Requirements	Verification method
Budget:	
5. The budget is discussed with the client and adjusted to the income.	Does not apply.
Time constraint:	
6. It must be possible to realize the end product at the end of this project.	The project was completed on December 20, 2021. After delivery, our library can in principle be sent directly to the company that can produce it.

Wishes

- 1. The product has been designed as sustainably as possible and the materials for the construction come from Tanzania.
- 2. The design shows an innovative view.
- 3. The product features the school and orphanage together.

1.5 Assumptions & Risks



This project can get this team with some assumptions & risks. To foresee these two things so that the project is not hampered, these are below with a possible solution.

Loss of classes/persons

A team member may be absent for a long period of time due to circumstances. As a result, his tasks will have to be taken over from the team. and the workload will increase That is why a few buffers are planned in the project planning. This leaves room for outages and delays. If a lesson is cancelled, it's up to the team to make up for it at another time so they don't fall behind.

2. Communication

Miscommunications or reduction of contact with the client can affect the success of the assignment. This can easily be solved but can easily arise as soon as communication goes less well. That is why there is contact with the client at least once a week. The progress is discussed so that the client is aware of everything. In this way, the team will reduce the chance of making wrong choices and therefore the project will be more successful.

3. Solutions

The team must take these risks into account in order to limit the collateral damage if these risks materialize. Maintaining good communication with the client is essential. By evaluating what the team has delivered every week with the client, the team minimizes the chance of a misunderstanding that could cost the team its head later on. Buffers in the project planning ensure that the team does not run out of time if there is a breakdown or/and absence.

"THE BIGGEST RISK IS A PERSON CAN TAKE, IS DOING NOTHING"

5: Quote from Robert T. Kiyosaki



Deliverable 0. Schedule: A concrete schedule, which describes who will work on which deliverable, when, and when. It also states who is responsible for the task. For this planning, see chapter 3.

Deliverable 1. Preliminary investigation: The preliminary investigation is a standard preliminary investigation about the client, the assignment and the points to be dealt with in the assignment. A report is made in which the following points are processed.

1.1 The mission of Happy Watoto

Who is the client, why did she start this organization together with a number of other volunteers and what is their mission?

1.2 The resources available in Tanzania

What are the available resources in Tanzania that could be of interest to the project. What materials does Tanzania have at its disposal?

1.3 Find contacts in Tanzania

Contact is being sought with the people in Tanzania who help the organization. For example, how do they experience the way of the schooling? Correspondence is made with at least 3 volunteers and possibly also a resident who has already been fully helped by the orphanage and the school.

1.4 Current school and orphanage

What training tools does the organization currently use? How does the orphanage address the school? How are both buildings furnished and what are the possibilities for change? What resources are available around the school and the orphanage?



1.5 Brainstorm points to be dealt with

What points should be addressed when designing a library? For example, material, portability and protection. This describes, among other things, the available space that the school has and the complications involved.

Deliverable 2. The library: Then the first ideas for the library will have to be generated. This is done on the basis of the following points.

2.1 Program of Requirements and Wishes

An extension to the program of requirements from this plan of approach is being made.

2.2 Research into points to be addressed from deliverable 1.5

What options are there within these points and what are the advantages and disadvantages of these points?

2.3 Layout inside of the library

What is the ideal format for the school's available books? This choice is substantiated on the basis of advantages and disadvantages and a consideration of this.

2.4 Layout outside of the library

What is the best size for the library on the available space of the school. This choice is substantiated on the basis of advantages and disadvantages and a consideration of this.



Deliverable 3. Three ideas: This is the go-/no-go phase of the project. The first ideas are formulated and presented to the client. When one (or more) of the ideas gets a 'go', the team will develop it further. If none of the ideas get a 'go', new ideas will have to be thought up and presented.

3.1 Three ideas for the new design.

Three ideas are devised for the new design, sketches are made of the concept and the choices are briefly formulated.

3.2 Pitch to client

The three ideas are presented to the client and she will then give a go-/no-go. In case of a 'no-go', deliverable 3 will have to be performed again.

Deliverable 4. Final design: After getting a 'go' on an idea, this will be further elaborated.

4.1 Substantiated design choices

A report substantiates why and which choices have been made for the design.

4.2 Drawings of design

The design of the library is drawn with all new parts.

4.3 Prototype library

A prototype of the library is made based on the drawings.

4.4 Sponsorship

An instructional video should be made based on all the information that came during the project.



4.5 Budget

A cost calculation is made of the design.

Deliverable 5. Project completion

5.1 Final report

In a design report, various components are discussed, such as the substantiated choices from deliverable 4.1 described and the phases of the design cycle that have been completed.

5.2 Final presentation

A final presentation is given as an addition to the report to the lecturers and client. In this, the design is presented and discussed for usability as the completion of the project.

5.3 Group website

A site should be created in which the entire project is clearly explained.



Deliverable	Description	min. 3 requirements (SMART)	Responsible	Time (hours)
1.1	Putting the mission of Happy Watoto on paper.	 1 page Client Start organization Target organization Mission of Happy Watoto Available through Google Drive 	Kenza	0,5
1.2	The resources available in Tanzania.	 Min. 1 page Overview of all available resources in Tanzania. Overview of all types of materials in Tanzania. Overview of all the rules to be taken into account when it comes to materials and resources. Available through Google Drive. 	Sofia	1,5
1.3	Find contacts in Tanzania.	 Min. have contacted 1 Happy Watoto ambassador from Tanzania. Correspondence is (if possible) with at least 3 volunteers from Happy Watoto. A person who has been helped by the orphanage all his life and has learned to close the school will be contacted (if possible). Available through Google Drive. 	Saifeddine	3



Deliverable	Description	min. 3 requirements (SMART)	Responsible	Time (hours)
1.4	Current school and orphanage.	 Min. 1 page Overview with the current number and types of books of the school. Overview with all places of the school and the orphanage with corresponding dimensions. Available through Google Drive. 	Saifeddine	1,5
1.5	Brainstorm points to be dealt with.	 Min. 1 page List of points to be taken into account when designing the library, taking into account the school and the orphanage. Description of the complications that arise at the school with regard to the space available for designing. Available through Google Drive. 	Dunya	3
			Total	9,5
2.1	Program of Requirements and Wishes.	 Min. 7 requirements that mainly concern the elaboration of the product. Min. 3 final wishes. Approved by client. Available through Google Drive. 	Sofia	1,5



Deliverable	Description	min. 3 requirements (SMART)	Responsible	Time (hour	rs)
2.2	Research into points to be addressed from deliverable 1.5.	Min. 3 pages.All points from 1.5 covered.Available through Google Drive.	Kenza	2,5	
2.3	Layout inside of the library.	Min. 1 page.Min. 1 sketch.Available through Google Drive.	Dunya	3	
2.4	Layout outside of the library.	Min. 1 page.Min. 1 sketch.Available through Google Drive.	Saifeddine	3	
			Total	10	
3.1	Three ideas	Min. 3 ideas.A sketch for each idea.Available through Google Drive.	Saifeddine	3	
			Total	3	21



Deliverable	Description	min. 3 requirements (SMART)	Responsible	Time (hours)
4.1	Substantiated design choices.	- Min. 3 pages.- Substantiated every choice made from deliverable 2.2.- Available through Google Drive.	Sofia	3
4.2	Drawings of design.	Drawings inside and outside of the library.On scale.Available through Google Drive.	Kenza	2
4.3	Prototype library.	- The choices processed in the prototype (made in a 3D design site/app).	Saifeddine	6
4.4	Sponsorship.	- Movie with all information about the school and the orphanage that Happy Watoto helps and with our elaborated idea and final product.	Dunya	4,5
4.5	Budget.	Overview of prices per part.Calculation of minimum costs.Available through Google Drive.	Sofia	1,5
			Total	17



Deliverable	Description	min. 3 requirements (SMART)	Responsible	Time (hours)
0	Schedule.	 All dates. All deadlines and submission times. SMART. All deliverables well distributed among the team members. Time-bound of each deliverable. In PVA (see chapter 3. 	Saifeddine	1,5
			Total	1,5
5.1	Fenal report.	*	Saifeddine	5
5.2	Final presentation.	*	Sofia	3
5.3	Group website.	*	Sofia	2
			Total	10



Week	Day	Saifeddine	Sofia	Kenza	Dunya
35	30/08/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
	01/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
36	06/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
	08/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
37	13/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
	15/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
38	20/09/2021	Mailing Happy Watoto	Mailing Happy Watoto	Mailing Happy Watoto	Mailing Happy Watoto
	22/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
39	27/09/2021	Mailing NGO's	Mailing NGO's	Mailing NGO's	Mailing NGO's
	29/09/2021	Calling Happy Watoto	Calling Happy Watoto	Calling Happy Watoto	Calling Happy Watoto



Week	Dag	Saifeddine	Sofia	Kenza	Dunya
40	04/10/2021	PVA	PVA	PVA	PVA
	06/10/2021	PVA	PVA	PVA	PVA
41	11/10/2021	Deliverable 1.3	Deliverable 1.2	Deliverable 1.1 en 1.5	Deliverable 1.5
	13/10/2021	PAL-WEEK	PAL-WEEK	PAL-WEEK	PAL-WEEK
42	18/10/2021	AUTUMN BREAK	AUTUMN BREAK	AUTUMN BREAK	AUTUMN BREAK
	20/10/2021	AUTUMN BREAK	AUTUMN BREAK	AUTUMN BREAK	AUTUMN BREAK
43	25/10/2021	Deliverable 1.3	Deliverable 1.4	Deliverable 1.3 en 2.2	Deliverable 1.5
	27/10/2021	Deliverable 1.4	Deliverable 2.1	Deliverable 2.2	Deliverable 2.2
44	01/11/2021	Deliverable 2.4	Deliverable 2.3	Deliverable 2.4	Deliverable 2.3
	03/11/2021	Deliverable 2.4	Deliverable 2.3	Deliverable 2.4	Deliverable 2.3



Week	Dag	Saifeddine	Sofia	Kenza	Dunya
45	08/11/2021	Deliverable 3.1	Deliverable 3.1	Deliverable 3.1	Deliverable 3.1
	10/11/2021	TESTWEEK	TESTWEEK	TESTWEEK	TESTWEEK
46	15/11/2021	TESTWEEK	TESTWEEK	TESTWEEK	TESTWEEK
	17/11/2021	TESTWEEK	TESTWEEK	TESTWEEK	TESTWEEK
47	22/11/2021	Deliverable 3.1	Deliverable 3.1	Deliverable 3.1	Deliverable 3.1
	24/11/2021	Preparation for GO/NO-GO	Preparation for GO/NO-GO	Preparation for GO/NO-GO	Preparation for GO/NO-GO
48	29/11/2021	GO/NO-GO	GO/NO-GO	GO/NO-GO	GO/NO-GO
	01/12/2021	Deliverable 4.3	Deliverable 4.1	Deliverable 4.2	Deliverable 4.2
49	06/12/2021	Deliverable 4.3	Deliverable 4.1	Deliverable 4.2 en 4.3	Deliverable 4.1 en 4.4
	08/12/2021	Deliverable 4.3	Deliverable 4.5	Deliverable 4.3	Deliverable 4.4



Week	Dag	Saifeddine	Sofia	Kenza	Dunya
50	13/12/2021	Deliverable 4.3 en 4.4	Deliverable 4.3 en 4.4	Deliverable 4.3 en 4.4	Deliverable 4.4
	15/12/2021	Final design report	Final presentation	Final design report	Final design report
51	20/12/2021	TECHNASIUMPARADE	TECHNASIUMPARADE	TECHNASIUMPARADE	TECHNASIUMPARADE
	22/12/2021	Final design report	Final design report	Final design report	Final design report
52	27/12/2021	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK
	29/12/2021	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK
01	03/01/2021	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK
	05/01/2021	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK	CHRISTMAS BREAK
02	10/01/2021	Final design report	Final design report	Final design report	Final design report
	12/01/2021	Final design report	Deliverable 5.3	Final design report	Final design report

Chapter 4. Process & Completion



The contact with the client is arranged by Saifeddine and Sofia. Saifeddine will ensure that consultation moments (via Zoom) are arranged. There will be at least four consultation moments:

- The client give a go/no-go for the PVA and determine all requirements and wishes for the Program of Requirements and Wishes in the week of October 11, 2021.
- The team pitches the three ideas (go/no go) in the week of November 29, 2021.
- The team presents the elaboration (at the Technasium Parade, if possible) in the week of December 20, 2021.
- The clients provide feedback on the design report in the week of December 22, 2021.

The assessment will take place by the clients and teachers after the final presentation at the Technasium Parade. This is done in consultation. There will eventually be two numbers given be: one for the product (from the client and lecturers after consultation) and a process figure (from the lecturers).

The final report will be finally submitted on January 10, 2022.

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