Project Management Portfolio

ICT30001-Information Technology Project

Prepared by :

Student name	Student ID
Trac Duc Anh Luong	103488117
Minh Nghia Nguyen	103806269
Thanh Dat Nguyen	103804881
Anh Vu Pham	103806447
Tuan Nam Tran	103792643

[Weekly] 20240516

Time: 9 PM - 9:30 PM, 2024/05/16
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

A. MEETING TOPICS

- Project management tools

- Defining scope, practicality of solutions

B. CONCLUSION

- Project Management tool: ClickUp

- Displaying changes in Vietnam is more difficult (less data) => Move to Australian data

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	Todo	ClickUp tutorial	AnhLTD	2024/05/17	

[Weekly] 20240523

Time: 9 PM - 9:30 PM, 2024/05/23

Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

A. MEETING TOPICS

- Initial planning for System Design

- Further analyze requirement

- Department planning

B. CONCLUSION

- A web interface for end users with front end, back end and database, as well as a machine learning, AI pipeline for image analysis

- Users can view map, see houses and related data in an area

- Web app team and Data Science team

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	DONE	Tutorial for ClickUp	AnhLTD	2024/05/17	
2	TODO	Setup Git repositories	VuPA	2024/05/24	DS, FE, BE
3	TODO	Research map viewing solutions	NghiaNM, DatNT	2024/05/29	APIs, static images

[Weekly] 20240531

Time: 1 PM - 4 PM, 2024/05/31
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

A. MEETING TOPICS

- Finalize Initial Project Proposal

- Discuss with mentors on tools, scope, technology, deadlines

B. CONCLUSION

- Project Proposal:
  - Scope: Metro area houses
  - Out of scope: More rural areas (not the focus for now)
  - No milestone requirements

- Mentor recommendations
  - [Agisoft Metashape](): Draw 3D, 2D maps
  - House information: Coordinates, area, changes in area through years
  - Model sample: [Collab]()
  - Workflow+prototype: figma

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	DONE	Setup Git repositories	VuPA	2024/05/17	
2	DONE	Research map viewing solutions	VuPA, NghiaNM, DatNT	2024/05/29	

3	TODO	Research Agisoft	NghiaNM, DatNT	2024/06/02	Demo
4	TODO	System Design	AnhLTD, VuPA, NamTT	2024/06/02	Plan tools, draft diagram
5	TODO	Contact client	DatNT, AnhLTD	2024/06/03	

[Weekly] 20240604

Time: 9:15 PM - 9:30 PM, 2024/06/04
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

A. MEETING TOPICS

- Client Progress Review:

  - Mail to client

  - Setup meeting with Mentor and Client

  - Script, planning for client meeting

  - Preparing presentation

B. CONCLUSION

- Background & Introduction + Project objectives, Scope and Deliverables: Available in draft documents

- Work accomplished to date: 2 team (DS & SE) both teams present finished works

- Work breakdown for the next 2 tasks (according to Gantt chart)

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	TODO	Finish documents for clients	All members	2024/06/05	
2	DONE	Research Agisoft	NghiaNM, DatNT	2024/06/02	
3	DONE	System Design	AnhLTD, VuPA	2024/06/02	
4	DONE	Contact	DatNT,	2024/06/02	

		Client	AnhLTD		

[Weekly] 20240611

Time: 9:15 PM - 9:30 PM, 2024/06/11
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

A. MEETING TOPIC

- Finalize model output

- Finish demo (front end, displaying maps and borders with sample data)

- Structure assignment document

B. CONCLUSION

- Finalize model with new parameters on Hanoi training data

- Front-end library to draw on map based on coordinates (long, lat)

- Ideas for assignment document

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	DONE	Finish Client documents	All Members	2024/06/05	
2	TODO	Finalize Model	NghiaNM, DatNT	2024/06/15	
3	TODO	Finish Demo	AndLTD, VuPA, NamTT	2024/06/13	
4	TODO	Document	NamTT, VuPA	2024/06/15	

[Daily] 20240625

Time: 7:25 PM - 7:35 PM, 2024/06/25

Attendees

- AnhLTD
- DatNT
- NghiaNM
- NamTT
- VuPA
- Dr. Cherry Nguyen

A. MEETING TOPICS

- Check previous tasks
- Testing image analysis model

B. CONCLUSIONS

- Calculate actual Area from the image on hold, trying new method of converting X:Y on image to actual coordinates
- Segmentation model completed on training image
- Needs to create image uploading portal to test other images

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	DONE	Model segmentation draw multiple apexes	DS team	2024/06/28	
2	IN PROGRESS	Further scientific explanation for the pixel-to-area conversion	All	2024/06/28	
3	TODO	Online portal for image	VuPA, DatNT	2024/06/28	AWS EC2

		uploading			
4	TODO	Upload model to Google Drive	DS Team	2024/06/26	

[Daily] 20240626

Time: 10:00 PM - 10:10 PM, 2024/06/26

Attendees

- AnhLTD
- DatNT
- NghiaNM
- NamTT
- VuPA
- Dr Cherry Nguyen

A. MEETING TOPICS

- Check previous tasks
- Image upload portal

B. CONCLUSIONS

- On hold due to having to re-configure EC2 instance (free tier not enough)
- Use .tif file (convert others to .tif file)
- Needs to continue working on image upload portal (build on Dr Cherry Nguyen's account)

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	IN PROGRESS	Further scientific explanation for the pixel to area conversion	All	2024/06/28	
2	IN PROGRESS	Online portal for image uploading	VuPA, DatNT	2024/06/28	AWS EC2 configuring (free tier not enough)

| 3 | DONE | Upload model to Google Drive | DS Team | 2024/06/26 | |

[Mentor Meeting] 20240621

Time: 2 PM - 2:30 PM, 2024/06/21
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

- Dr. Cherry Nguyen

- Dr.NgocLA

A. MEETING TOPICS

House recognition

- Library recommended by PA

- Model trained locally

- Segmentation

- Position of house

- Get area of the house by counting pixels set to 1 (0 => Not house)

- Can count per house

- Library to segment pieces into different houses (assuming 1 conjoined area = 1 house

Area formula

- Image source (Google Earth) provide 1px = 20m

- Able to convert pixel to area

B. CONCLUSIONS

- Need more information on formula (conversions, metrics,...)

- Segmentation model needs to be able to provide multiple (>4 apexes) data points (in JSON coordinate format) for FE to draw

C. ACTIONS

#	Status	Task	PIC	Deadline	Note

1	TODO	Model segmentation draw multiple apexes	DS team	2024/06/28	
2	TODO	Further scientific explanation for the pixel to area conversion	All	2024/06/28	

[Client Meeting] 20240622

Time: 2 PM - 2:30 PM, 2024/06/22
Attendees

- AnhLTD

- DatNT

- NghiaNM

- NamTT

- VuPA

- Dr. Cherry Nguyen

- Dr.NgocLA

- Dustin

A. MEETING TOPICS

- The product and vision

- Overall designs and detailed designs

- Progress so far

- Tasks completed

- Next tasks

B. CONCLUSIONS - Client Comments

1. **Project Description / Objectives:** The objectives and goals were well-articulated, and it's clear that the team has a strong understanding of the project's purpose.

2. **Scope:** The defined scope is appropriate and aligns well with the project's goals. Ensure to monitor any scope changes to avoid potential scope creep.

3. **Progress to Date:** The Gantt Chart provided a clear visualization of your progress. It's evident that the team has been diligent in following the project timeline.

4. **Work Completed:** The tasks completed so far are impressive. The dedication and effort put into the project are commendable.

5. **Screenshots / Prototype:** The screenshots and prototype look promising. They offer a good preview of the final product, and I'm pleased with the direction the project is heading.

6. **Work Left to Complete:** The remaining tasks are well-defined. I recommend prioritizing the more challenging aspects to ensure timely completion.

7. **Deliverables:** The list of deliverables is comprehensive. It's important to continue focusing on quality to meet the expected standards.

8. **User Experience (UX):** Consider conducting usability testing to gather feedback on the prototype. This can provide valuable insights into potential improvements.

9. **Communication:** Maintain regular communication with all stakeholders to ensure everyone is aligned and informed of any developments.

10. **Risk Management:** Keep an eye on potential risks and have contingency plans in place to mitigate any issues that may arise.

C. ACTIONS

#	Status	Task	PIC	Deadline	Note
1	TODO	CDN	SE team	2024/07/07	
2	TODO	Upload image portal	All	2024/07/07	
3	TODO	Write test cases	All	2024/07/07	