

Technical Communication for Computer Scientists

Yu Yang

Oct. 17, 2020

Learning Objectives for Today

- Review of the last lecture
- Basic elements of a proposal & how to write it

Group practice: present a proposal (extra credits)

Review

- Email
 - A great progress !!!
 - Name of the receiver, comma

Dear Mr.Yu: Dear Mr.Yu yang, dear teacher,

- If two emails are related, forward the previous email with your new messages
- LaTeX
 - Overleaf

Hi XXX,

Just a quick follow up. XXXXX

----- Forwarded message ------

From: Yu Yang <newsyangy@gmail.com>
Date: Thu, Oct 15, 2020 at 11:00 PM

Subject: Re: Email

To: Liu Yicheng < lykcl0428@163.com>

Hi XXX,

Thanks for your email and information. And also, the assignment 0 will not count for the final grade. No worries.

Best,

Yu Yang

What is a proposal?

What is a proposal?

- Example:
 - Business proposal
 - Research grant
- What are the key functions of a proposal?

Sell, advertise, inform, reduce, impact, explain, describe, identify, convince, market, present idea, avoid, document, gather information, offer, persuade, solve a problem, understand

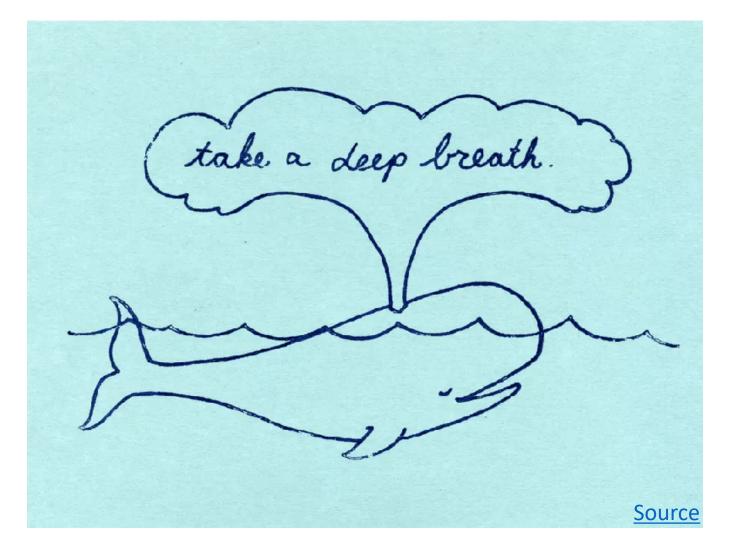
Types of proposals

- Solicited Proposals
 - You are asked to submit proposal by the client (RFP)
- Unsolicited Proposals
 - Buy our services
 - Fund our project

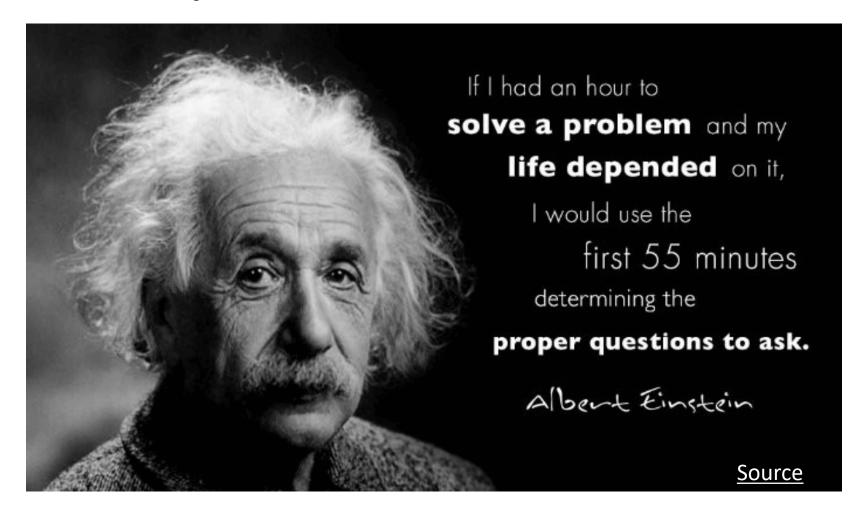


Write a business proposal in 6 steps

Step 1: Make sure you have all the information you need



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- Have I spoken to the client?
- Do I fully understand the requirements?
- Can I deliver what they are asking for?
- Is this the first attempt to solve this issue?
- Do I need to do some research?
- Who will be reading the proposal?
- What are the budget and timeline expectations?

Step 2: Sketch out the scope of the project

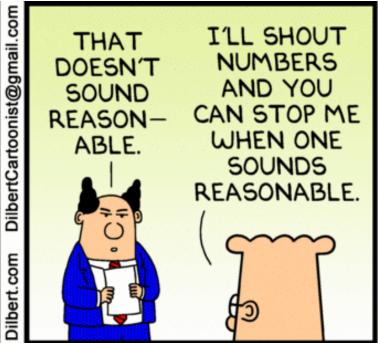
The amount of work that needs to be completed to satisfy the clients requirements.

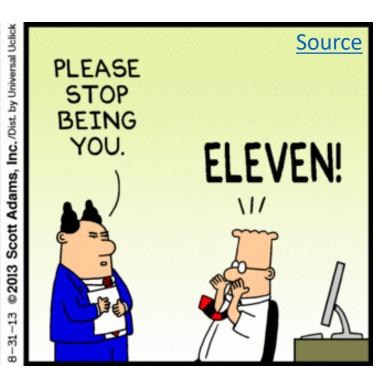
- The who's:
 - Who will carry out the (what) work?
- The what's:
 - What needs to be done? (resources, cost, customer expectation)

- The how's:
 - How long?
 - How to approach the task?
 - How to divide the work?
- The why's:
 - Why to chose your particular solution
- The when's:
 - When to start
 - When to meet your milestones
 - When to finish

Step 3: Estimate the cost







Step 4: Start writing your business proposal

- Title or cover page
- Table of contents (optional but useful for longer proposals)
- Executive summary
- Problem statement
- Proposed solution / Outline of approach
- Deliverables

- Timeline
- Pricing
- Company information
- Case studies (optional but recommended)
- CTA (Call to action) / how to proceed

Executive summary

- Introduce your company to your buyer
- Provide an overview of your company goals
- Showcase your company's milestones, overall vision and future plans
- Include any other relevant details

Problem statement

- A well-defined problem statement does two things
 - It shows the prospect you have done your homework instead of sending a generic pitch
 - It creates an opportunity for you to point out a problem your prospect might not be aware they had in the first place.

The proposed solution

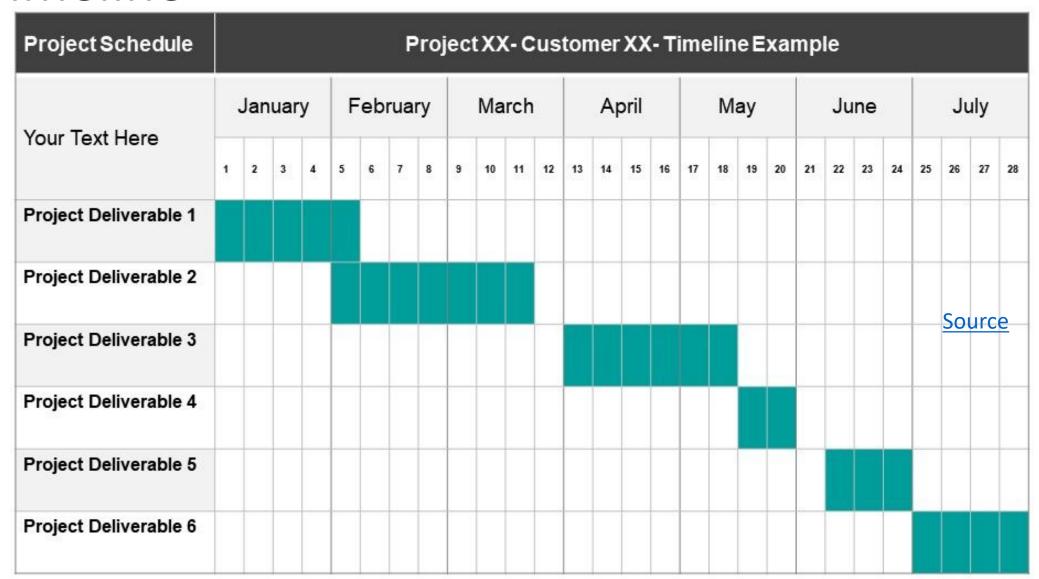
- Entire process
- Be concrete and detailed
- Demonstrate potential challenges

Deliverables

How and when you provide all your deliverables

WEEK	MILESTONE	PROCESS
1	Briefing	Review ideas and outline, define project parameters and allocated budget.
2	Review	Brainstorm solutions based on the briefing's set objectives, values and long-term project goals.
3	Proposal	Present 3 varying solutions for review. Client provides input and feedback to select which proposal suits the project best.
4	Final Proposal	Return to present the final design proposal for final approval.

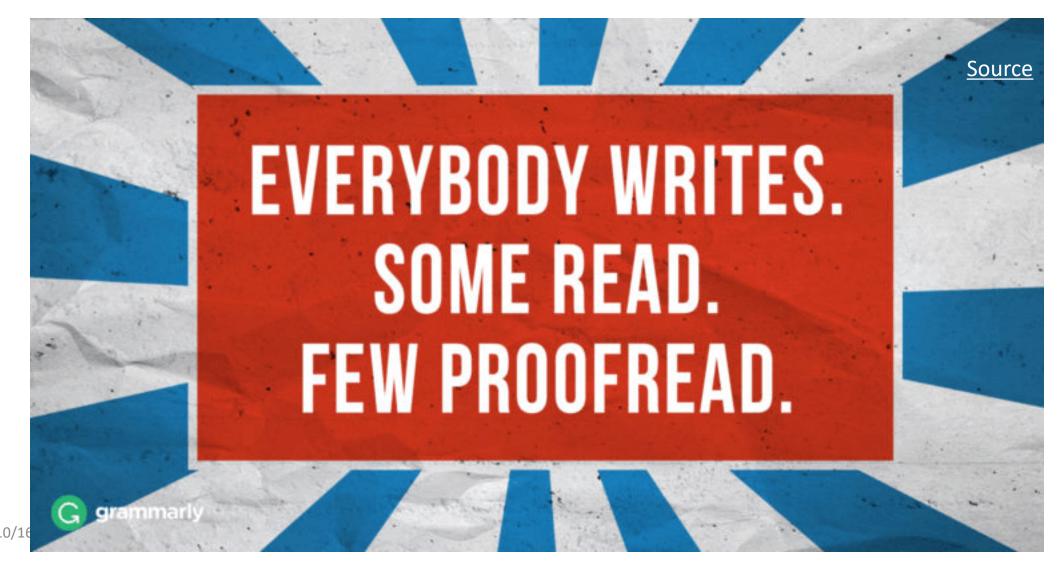
Timeline



Price

Expenses	Unit	# of Units	Unit Rate	Cost	
Personnel					
Trainers	Per day	3	173.3	\$	520
Subtotal Personnel				\$	520
Services					
Participant Transportation	Per person	40	10	\$	400
Catering	Per person	55	17.28	\$	950
Subtotal Travel				\$1,350	
Other Costs					
Materials and Handouts	Per person	55	12.28	\$	675
Venues	Per day	3	221.5	\$	665
Subtotal Other Costs				\$1	,340
Total Expenses					

Step 5 – Edit and proofread



Step 6: Send your proposal (and follow up!)

- Email
- Online submission process

Follow Up