

# CSE 6224 Software Requirements Engineering Trimester 2510

### **Elicitation Plan**

**Project title:** 

Student Club Management System with Budget and Venue Integration

**Tutorial Section: TT5L** 

**Group Name:** TT5L\_G1

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### 1 Introduction

Briefly restate the goal of Task 4: to **execute** the elicitation plan (Task 3) and to **document** the outcomes—complete with proof files—while classifying every discovered requirement under the Kano Model.

### 2 Summary of Elicitation Techniques Executed

ID	Technique	Week	Stakehol	Evidence File(s)	Primary
			der(s) /		Kano Focus
			Artefact		
T1	Observatio n of Existing Systems	W5	Project Team	Elicitation/Raw/Observation/	Dissatisfier, Satisfier
T2	Online Survey (Google Fo rm)	W5	Club Members & Prospecti ve Members	/Elicitation/Raw/Survey/SurveyRes ponses.csv /Elicitation/Raw/Survey/SurveySu mmary.xlxs	Satisfier
Т3	Brainstorm ing (Team Meeting)	W6	Project Team	/Elicitation/Raw/Brainstorm/	Dissatisfier, Satisfier, Delighter
T4	Document Analysis	W6	Institution al Policies	/Elicitation/Docs/ ManualPelaksanaanV5_highlighted .pdf /Elicitation/Docs/Panduan_Tuntuta n_Notes.pdf	Dissatisfier

### 3 Evidence Index

Artefact	File Name	Relative Path in Repo	Notes
Observation R	obs.mp4	Elicitation/Raw/Obser	Screen-
ecording		vation/	share
			walk-throu
			gh
Observation L	obs_log.md	Elicitation/Raw/Obser	Time-stam
og		vation/	ped
			insights
Survey CSV	SurveyResponses.csv	/Elicitation/Raw/Surve	50
		y/	responses,
			anonymise
			d
Survey Charts	SurveySummary.xlxs	/Elicitation/Raw/Surve	Stacked-ba
		y/	r & Kano
			matrix
Brainstorm	brainstorm session.mp4	/Elicitation/Raw/Brain	Screen
Recording		storm/	Recording
Brainstorm	Brainstorm_log.md	/Elicitation/Raw/Brain	Time-stam
Log		storm/	ped
			insights
Annotated	ManualPelaksanaanV5_highlighte	/Elicitation/Docs/	Key
Manual Pelaks	d.pdf		clauses
anaan			highlighted
Annotated	PanduanTuntutan_highlighted.pdf	/Elicitation/Docs/	Key
Panduan Tuntu			clauses
tan			highlighted

#### **4 Detailed Execution Records**

### 4.1 Observation of Existing Systems (T1)

Field	Information	
Objective	Discover baseline workflows & pain-points in benchmark systems.	
Observed	ST Putra Facility Booking, PUTRA Presence, Cornell CampusGroups,	
Systems	Campus Labs Check-In, Eventbrite	
<b>Evidence Files</b>	obs.mp4, obs_log.md	

### **4.1.1 Observed System Summaries**

ID	Source	Access Method
X1	ST Putra Facility Booking System	ST Putra
X2	PUTRA Presence	<u>PUTRAPresence</u>
X3	Cornell CampusGroups	CornellUniversity
X4	Campus Labs Event Check-In	Google Play
X5	Eventbrite	<u>Eventbrite</u>

### X1 – ST Putra Facility Booking System

The university's official venue-reservation portal exposes a comprehensive catalogue of lecture halls, seminar rooms, and outdoor spaces. Users can filter by capacity, equipment, accessibility features, and preferred time slots; the system performs real-time clash detection before confirming a booking. For SCMS, this establishes the gold standard for Req 12 – Searchable venue database: millisecond-level search, filter combinability, and a hard stop on double-bookings. Integrating (or at least mirroring) this dataset ensures clubs avoid manual venue conflicts and comply with campus scheduling rules.

#### **X2 – PUTRA Presence**

PUTRA Presence is a campus-wide attendance platform that authenticates students via UPM-ID, then logs event entry through QR-code scan or Bluetooth beacon. In live tests the scan-to-record latency averaged < 2 seconds, and offline caching handled poor connectivity gracefully. These observations validate the feasibility of Req 14 – QR / Bluetooth attendance capture and define a performance target: sub-2-second feedback plus offline queuing.

#### **X3** – Cornell CampusGroups

CampusGroups offers an integrated experience where club officers submit budget requests, manage rosters, and publish events with RSVP—all under one dashboard. Approval workflows include commenting threads and status badges (Pending → Approved → Funded). Its polished UI illustrates how Req 11 (Realtime budget updates), Req 13 (Online RSVP), and Req 16 (Online membership application) can coexist seamlessly, suggesting navigation patterns and permission models for SCMS.

#### X4 - Campus Labs Event Check-In

This mobile app emphasises robustness: it works fully offline, stores hundreds of check-ins locally, and bulk-exports CSV files for analytics. Multi-device scanning lets several volunteers process attendees in parallel. These capabilities inspire enhancements for Req 14 (offline fallback) and Req 15 – Bulk CSV export of attendance, ensuring SCMS functions even in poor-signal venues and supports post-event analysis.

#### X5 – Eventbrite

Eventbrite dominates public event management with user-friendly RSVP flows, automatic e-tickets containing QR codes, and reminder e-mails dispatched 24 hours before go-time. Observing its funnel—from 'Register' click to inbox confirmation—clarifies UX expectations for Req 13 and sets the cadence for Req 18 – Automated reminders. Copying its single-click RSVP and calendar-invite attachments could significantly boost club event turnout.

## 4.1.2 Video Recording Link

4.1.3 Meeting Transcript	

## ${\bf 4.1.4~Observation\text{-}Derived~Requirements.}$

Req ID	Requirement Statement	Kano	Evidence
		Category	
11	Realtime budget spending updates	Satisfier	
12	Searchable venue database with capacity & clash detection	Satisfier	
13	Online RSVP with QR ticket generation	Satisfier	
14	QR/Bluetooth attendance capture	Satisfier	
15	Bulk CSV export of attendance records	Satisfier	
16	Interested students can apply to join a club online	Satisfier	
17	Personal dashboard with upcoming events, budget graphs, reminders	Satisfier	
18	Automatic email reminder 24 h before event	Satisfier	

### 4.2 Online Survey (Google Form) (T2)

Field	Information
<b>Responses Collected</b>	50
Target Population	Club Members & Prospective Members
<b>Evidence Files</b>	SurveyResponses.csv, SurveySummary.xlxs

### 4.2.1 Question-by-Question Results & Interpretation

For each pair of Kano questions, place the chart and provide interpretation in paragraph.

https://docs.google.com/forms/d/e/1FAIpQLSc4CncVRHSeIfMIFKuvxYvdqgPFfzMVQ LIg NTEt62mP7jXDQ/viewform?usp=dialog

**Q01 – Guided Event-Creation Wizard** 

**Q02 – Realtime Budget Balances** 

Q03 - Venue Search & Filter

Q04 - Online RSVP

Q05 - QR / NFC Attendance Capture

**Q06 – Export Financial Data to CSV** 

**Q07 – Online Membership Application** 

Q08 - Personal Dashboard

**Q09 – Event Reminder Alerts** 

Q10 – In-System Messaging

## **4.2.2** Survey-Derived Requirements

Req ID	Requirement Statement	Kano	Evidence
		Category	(Survey Q#)
10	Efficient, guided event-creation wizard	Satisfier	Q01
11	Realtime budget spending updates	Satisfier	Q02
12	Searchable venue database	Satisfier	Q03
13	Online RSVP for events	Satisfier	Q04
14	QR / NFC attendance capture	Satisfier	Q05
15	Export financial data to CSV	Satisfier	Q06
16	Online membership application	Satisfier	Q07
17	Personal dashboard with events & budget graphs	Satisfier	Q08
18	Reminder alerts before "interested" events	Satisfier	Q09
19	Internal messaging between members	Satisfier	Q10

### 4.3 Brainstorming Session (T3)

Field	Information
Objective	Discover baseline workflows & pain-points in benchmark systems.
Participants	Project Team
<b>Evidence Files</b>	brainstorm session.mp4, Brainstorm_log.md

### **4.3.1 Brainstorm Flow Summary**

The team completed three uninterrupted verbal rounds:

- Round 1 Dissatisfiers: each participant voiced must-have pain points.
- Round 2 Satisfiers: performance features that improve satisfaction with quality.
- Round 3 Delighters: surprise "wow" ideas.

After each round, the facilitator read back a spoken summary to confirm agreement. Final requirement wording was derived offline by replaying the recording and transcribing key statements verbatim.

### 4.3.2 Video Recording Link

4.3.3 Meeting Transcript	

## 4.3.4 Brainstorming-Derived Requirements

Req ID	Requirement Statement	Kano	Evidence / Speaker
		Category	& Approx. Time
1	Secure online club registration	Dissatisfiers	Hazim @ 00:05
2	Secure login authentication	Dissatisfiers	Si Ting @ 00:20
3	Club officers can assign roles (President, Treasurer, etc.)	Dissatisfiers	Nelly @ 00:38
4	User roles clearly separated (member / officer / admin)	Dissatisfiers	Tai @ 00:55
8	System sends automatic notifications on approvals / rejections / updates	Dissatisfiers	Hazim @ 01:15
9	Accessibility features (colour contrast, font change, etc)	Dissatisfiers	Si Ting @ 01:35
17	Personal dashboard with upcoming events, budget graphs, reminders	Satisfiers	Si Ting @ 03:10
18	Reminder alerts before "interested" events	Satisfiers	Nelly @ 03:35
19	Ability for Club Members to message each other	Satisfiers	Hazim @ 03:55
20	Auto suggest optimal venue based on event type & expected attendance	Delighters	Hazim @ 05:05
21	Gamification (badges / points) for active participation	Delighters	Si Ting @ 05:25
22	Club leader analytics (attendance & budget trends)	Delighters	Nelly @ 05:45
23	Mobile push notifications for critical updates	Delighters	Tai @ 06:00

24	Recommendation of similar clubs based	Delighters	Hazim @ 06:20
	on interests		
25	QRcode sign in to web account via mobile	Delighters	Si Ting @ 06:40
	арр		

## 4.4 Document Analysis (T4)

Field	Information
Objective	Derive non-negotiable, policy-driven requirements from official
	university documents.
Documents	Manual Pelaksanaan Aktiviti Pelajar (V5) • Panduan Tuntutan Kewangan
Analysed	Aktiviti Pelajar
Evidence	Annotated PDFs (ManualPelaksanaanV5_highlighted.pdf,
Files	PanduanTuntutan_highlighted.pdf), Highlight screenshots in
	/Docs/Screenshots/

## 4.4.1 Traceability Table

Req	Requirement	Source Doc	Section /	Verbatim Text	Screenshot
ID	Statement		Page	(Malay)	File
3	Club officers can assign roles (President, Treasurer,)	Manual Pelaksanaan V5	§ 2 "Penyediaan Kertas Kerja" p. 4	<ul> <li>"Jawatankuasa Aktiviti"</li> <li>"Anggaran Perbelanjaan &amp; Pendapatan"</li> <li>"Senarai jawatankuasa pelaksana aktiviti. (format .doc)"</li> </ul>	roles_p4.pn g

5	Leader can	Manual	Flowchart	"Hantar permohonan	carta_alir_c
	create new	Pelaksanaan	"Carta Alir	kelulusan aktiviti	reate_event
	events	V5	Pengurusan	melalui borang	_p13.png
			Aktiviti	atas talian"	
			Pelajar" p. 13		
6	Leader can	Manual	§ 1(c)	"peruntukan/dana	budget_trac
	view & track	Pelaksanaan	"Panduan	serta kos perbelanjaan	king p3.pn
	club budget	V5	Pengurusan	aktiviti perlu	g
	balance		Kewangan	dibincangkan"	
			dan		
			Perbelanjaan		
			" p. 3		
7	Admin can	Panduan	§ 1	"Perbelanjaan/ Pembay	approval_cl
	approve or	Tuntutan	"Maklumat	aran untuk aktiviti	ause_p1.pn
	reject budget	Kewangan	Am" p. 1	pelajar yang	g
	requests			telah diluluskan layak	
				dituntut."	
7	_	Panduan	§ 3 "Tuntutan	"Pembayaran	approval_cl
(con		Tuntutan	Bayaran	mengikut jumlah	ause_p3.pn
t.)		Kewangan	Perkhidmatan	tuntutan yang	g
			/Bekalan" p.	diluluskan"	
			3		

## 4.4.2 Detailed Policy-to-Requirement Explanation

Req	Why the Clause Forces This	System Implications
ID	Requirement	
3	Any activity proposal must list its	Back-office module for officers to
	Jawatankuasa Aktiviti and attach a role	assign/reassign roles; roles auto-
	file. Without built-in role assignment, club	populate proposal PDFs; validation
	officers would have to manage roles	prevents submission if required
	offline and re-enter them in forms—	positions are empty.
	violating the single source of truth	
	principle and increasing audit risk.	
5	The flowchart explicitly starts with online	Wizard-style event-creation UI with
	submission of an activity-approval form.	progress bar; autogenerated reference
	Leaders therefore need an in-system	number; real-time status page that
	"Create Event" workflow that mirrors	maps 1-to-1 to flowchart stages,
	every flowchart step (draft, submit, status	ensuring leaders never bypass
	tracking).	mandatory approvals.
6	Clause 1(c) requires ongoing discussion,	Dashboard widget that shows live
	preparation, and presentation of current	balance, committed spend, and
	funding and expenditure. Static	variance; role-based access so
	spreadsheets fail to satisfy "ongoing"	Treasurer sees edit rights; export to
	monitoring.	PDF/CSV for submission meetings.
7	Both clauses repeat that only approved	Admin panel with approval queue;
	amounts are payable. The system must	immutable audit trail (timestamp,
	therefore include a definitive approve /	approver ID, status history);
	reject gate controlled by BHEP/Bursar;	automated email notices to requestor
	otherwise finance staff have no	on decision; downstream lock—
	authoritative source to verify approval.	transactions unfunded unless status ==
		"Approved".

## **4.4.3 Document-Derived Requirements**

Req	Requirement Statement	Kano Category	Evidence File(s)
ID			
3	Club officers can assign roles	Dissatisfier	roles_p4.png
5	Leader can create new events (policy-compliant steps)	Dissatisfier	carta_alir_create_event_p13.png
6	Leader can view & track club budget balance	Dissatisfier	budget tracking p3.png
7	Admin can approve or reject budget requests	Dissatisfier	approval_clause_p1.png, approval_clause_p3.png

### **5 Kano Model Summary**

Req	Requirement	Source (S = Survey,	Kano	Evidence Placeholder		
ID	Statement	B = Brainstorming,	Category			
		D = Document analysis				
		, O = Observation)				
Dissat	Dissatisfiers (Musthave)					
1	Secure	В	Dissatisfiers	brainstorm_log.md		
	online club					
	registration					
2	Secure login	В	Dissatisfiers	brainstorm_log.md;		
	authenticatio					
	n					
3	Club officers	B, D	Dissatisfiers	brainstorm_log.md;		
	can assign					
	roles			Manual Pelaksanaan Akt		
	(President,			iviti Pelajar (V5) – § 2		
	Treasurer,			"Penyediaan Kertas Kerj		
	etc.)			a" & § 2 "Dokumen		
				Sokongan yang		
				Diperlukan":		
				https://hep.upm.edu.my/		
				upload/dokumen/202212		
				02162707Manual_Pelak		
				sanaan_Aktiviti_Pelajar		
				<u>%28V5%29.pdf</u>		
4	User roles	В	Dissatisfiers	brainstorm_log.md		
	clearly					
	separated					
	(member / off					
	icer / admin)					

5	Leader can	D	Dissatisfiers	Manual Pelaksanaan Akt
	create new			iviti Pelajar (V5) – §
	events			"CARTA ALIR
				PENGURUSAN
				AKTIVITI PELAJAR":
				https://hep.upm.edu.my/
				upload/dokumen/202212
				02162707Manual_Pelak
				sanaan_Aktiviti_Pelajar
				_%28V5%29.pdf
6	Leader can	D	Dissatisfiers	Manual Pelaksanaan Akt
	view & track			iviti Pelajar (V5) – § 2
	club budget			"Penyediaan Kertas Kerj
	balance			a" & § 1(c)
				"Panduan Pengurusan K
				ewangan dan Perbelanjaa
				n":
				https://hep.upm.edu.my/
				upload/dokumen/202212
				02162707Manual_Pelak
				sanaan_Aktiviti_Pelajar
				<u>%28V5%29.pdf</u>
7	Admin can	D	Dissatisfiers	Panduan Tuntutan Kewa
	approve or			ngan Aktiviti Pelajar –
	reject budget			§ 1 "Maklumat Am" &
	requests			§ 3 "Tuntutan Bayaran
				Perkhidmatan/Bekalan":
				https://hep.upm.edu.my/
				upload/dokumen/202107
				<u>04210921PANDUAN_T</u>
				UNTUTAN_KEWANG
				AN_AKTIVITI_PELAJ

				AR %28FINAL2%29.p
				df
8	System sends automatic	В	Dissatisfiers	brainstorm_log.md
	notifications			
	on approvals			
	/ rejections /			
	updates			
9	Accessibility	В	Dissatisfiers	brainstorm_log.md
	features			
	(colour			
	contrast, font			
	change, etc)			
Satisf	iers (Performanc	e needs)		
10	Efficient,	S	Satisfiers	Survey Q01 – 92%
	guided event			Positive: "I like it"
	creation			(60%) + "I expect it"
	wizard			(32%); 88%
				Negative/Tolerate: "I
				dislike it" (60%) + "I can
				live without it" (28%)
11	Realtime	S, O	Satisfiers	Survey Q02 – 92%
	budget			Positive: "I like it"
	spending			(54%) + "I expect it"
	updates			(38%); 84%
				Negative/Tolerate: "I
				dislike it" (52%) + "I can
				live without it" (32%);
				Observation of existing
				system – Cornell

				CampusGroups:
				CornellUniversity
12	Searchable	S, O	Satisfiers	Survey Q03 – 92%
	venue			Positive: "I like it"
	database			(52%) + "I expect it"
	(location,			(40%); 80%
	size,			Negative/Tolerate: "I
	availability)			dislike it" (44%) + "I can
				live without it" (36%);
				Observation of existing
				system –
				ST Putra Facility
				Booking System (live
				system):
				SISTEM TEMPAHAN
13	RSVP system	S, O	Satisfiers	Survey Q04 – 94%
	for members			Positive: "I like it"
	to register for			(58%) + "I expect it"
	events			(36%); 98%
				Negative/Tolerate: "I
				dislike it" (68%) + "I can
				live without it" (30%);
				Observation of existing
				system – Eventbrite
				online
				event-management
				platform
				Eventbrite
14	Attendance	S, O	Satisfiers	Survey Q05 – 90%
	tracking via			Positive: "I like it"
				(58%) + "I expect it"

	QR / NFC at			(32%); 90%
	events			Negative/Tolerate: "I
				dislike it" (64%) + "I can
				live without it" (26%);
				Observation of existing
				system – Campus Labs
				Event Check-in app:
				scan event-pass QR
				codes to check in.
				Google Play
15	Ability to	S, O	Satisfiers	Survey Q06 – 90%
	export			Positive: "I like it"
	financial data			(58%) + "I expect it"
	to CSV			(32%); 82%
				Negative/Tolerate: "I
				dislike it" (46%) + "I can
				live without it" (36%)
				Observation of existing
				system – Campus Labs
				Event Check-in app:
				scan event-pass QR
				codes to check in.
				Google Play
16	Interested	S, O	Satisfiers	Survey Q07 – 90%
	students can			Positive: "I like it"
	apply to join			(64%) + "I expect it"
	a club online			(26%); 92%
				Negative/Tolerate: "I
				dislike it" (50%) + "I can
				live without it" (42%);

system – Cornell CampusGroups: CornellUniversity  17 Personal dashboard with upcoming events, budget graphs, reminders  18 Reminder alerts before "interested" events  19 Reminder site of the with site of the content					Observation of existing
CampusGroups: ComellUniversity  17 Personal dashboard with upcoming events, budget graphs, reminders  18 Reminder alerts before "interested" cvents  CampusGroups: ComellUniversity  Survey Q08 – 92% Positive: "I like it" (54%) + "I expect it" (38%); 90% Negative/Tolerate: "I dislike it" (54%) + "I can live without it" (36%); reminders  18 Seminder  S. B. O Satisfiers Survey Q9 – 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md;  Observation of existing without it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing					
CornellUniversity					
Personal dashboard with upcoming events, budget graphs, reminders   Description of existing system - PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence events   PutraPresence events   PutraPresence events   PutraPresence   PutraPresen					
dashboard with upcoming events, budget graphs, reminders  Beginner of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence event-attendance platform (existing mobile/web system): PUTRAPresence "interested" cvents  S, B, O Satisfiers  Survey Q9 — 78% Positive: "I like it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing	17	Personal	S. B. O	Satisfiers	
with upcoming events, budget graphs, reminders  Brainstorm_log.md;  Observation of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  Reminder alerts before "interested" events  S, B, O  Satisfiers  Satisfiers  Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing		dashboard			
upcoming events, budget graphs, reminders  18 Reminder alerts before "interested" events  28 B, O Satisfiers  Satisfiers  Satisfiers  Satisfiers  Satisfiers  Survey Q9 - 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing mobile/web system): PUTRAPresence Survey Q9 - 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing					
events, budget graphs, reminders    Description of existing system - PUTRA Presence event-attendance platform (existing mobile/web system):   PUTRAPresence event-attendance event-attendance platform (existing mobile/web system):   PUTRAPresence event-attendance event-attendance event-attendance platform (existing mobile/web system):   PUTRAPresence event-attendance ev					
budget graphs, reminders  brainstorm_log.md;  Observation of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder alerts before "interested" events  S, B, O Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%);  brainstorm_log.md; Observation of existing					
graphs, reminders  live without it" (36%);  brainstorm_log.md;  Observation of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  S, B, O Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%);  brainstorm_log.md; Observation of existing					
reminders    brainstorm_log.md;     Observation of existing     system -     PUTRA Presence     event-attendance     platform (existing     mobile/web system):     PUTRAPresence     PUTRAPresence     S, B, O     Satisfiers     Survey Q9 - 78%     Positive: "I like it"     (46%) + "I expect it"     (32%); 96%     Negative/Tolerate: "I     dislike it" (60%) + "I can     live without it" (36%);     brainstorm_log.md;     Observation of existing					
brainstorm_log.md;  Observation of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder alerts before "interested" events  S, B, O Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md;  Observation of existing					iive without it (5070);
Observation of existing system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder alerts before "interested" events  Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md;  Observation of existing		Tellilliders			brainstorm log md:
system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder S, B, O alerts before "interested" events  Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing					oramstorm_log.mu ,
system — PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder S, B, O alerts before "interested" events  Satisfiers Survey Q9 — 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing					Observation of existing
PUTRA Presence event-attendance platform (existing mobile/web system): PUTRAPresence  18 Reminder alerts before "interested" events  Satisfiers Survey Q9 – 78% Positive: "I like it" (46%) + "I expect it" (32%); 96% Negative/Tolerate: "I dislike it" (60%) + "I can live without it" (36%); brainstorm_log.md; Observation of existing					
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					system – Eventbrite

				online
				event-management
				platform
				<u>Eventbrite</u>
19	Ability for	S, B	Satisfiers	Survey Q10 – 90%
	Club			Positive: "I like it"
	Members to			(48%) + "I expect it"
	message each			(42%); 92%
	other			Negative/Tolerate: "I
				dislike it" (60%) + "I can
				live without it" (32%);
				brainstorm_log.md
Delighters (Exciters)				
20	Auto-suggest	В	Delighter	brainstorm_log.md
	optimal			
	venue based			
	on event type			
	& expected			
	attendance			
21	Gamification	В	Delighter	brainstorm_log.md
	(badges / poin			
	ts) for active			
	participation			
22	Club leader	В	Delighter	brainstorm_log.md
	analytics			
	(attendance			
	& budget			
	trends)			
23	Mobile push	В	Delighter	brainstorm_log.md
	notifications			
	for critical			
	updates			

24	Recommenda	В	Delighter	brainstorm_log.md
	tion of			
	similar clubs			
	based on			
	interests			
25	QRcode -sign	В	Delighter	brainstorm_log.md
	in- to web			
	account via			
	mobile app			

### 7 Conclusion

Summarise how the elicitation execution achieved its objectives, highlight the total number of distinct requirements captured, confidence level in data quality, and outline next steps (e.g., feeding results into the SRS specification draft).

### **Appendix A – Survey Instrument**

### **Student Club Management System (SCMS)**

#### Introduction

We're designing a new Student Club Management System (SCMS).

For every feature below, you will answer two short questions:

- Functional (F): how you feel if the feature IS present
- Dysfunctional (D): how you feel if the feature is NOT present

Use the same 5-point scale each time:

- 1. I like it
- 2. I expect it
- 3. I am neutral
- 4. I can live without it
- 5. I dislike it

The survey takes  $\approx$  7 minutes. Your answers are confidential and will only be used for course research.

### **Questionnaire Items**

#	Item	Question text
Q01-F	Guided event wizard	If the system offers a step-by-step wizard that helps club
		leaders create events quickly and correctly, how do you
		feel?
Q01-D	_	If the system does NOT provide a step-by-step
		event-creation wizard and leaders must enter all details
		manually, how do you feel?

Q02-F	Real-time budget	If club treasurers can see budget balances update instantly
	balances	after each transaction, how do you feel?
Q02-D	_	If budget balances update only after several hours or days,
		how do you feel?
Q03-F	Venue search & filter	If you can search and filter campus venues by capacity,
		location, and available dates, how do you feel?
Q03-D	_	If there is no searchable venue database and venue details
		must be found manually, how do you feel?
Q04-F	Online RSVP	If members can RSVP for club events online with one
		click, how do you feel?
Q04-D	_	If there is no online RSVP function and members must
		sign up through other means, how do you feel?
Q05-F	QR / NFC attendance	If event attendance can be recorded instantly by scanning
		a QR code or tapping NFC, how do you feel?
Q05-D	_	If attendance is recorded using paper lists or manual entry
		only, how do you feel?
Q06-F	Export financial data	If treasurers can export all financial records to CSV for
		analysis, how do you feel?
Q06-D	_	If financial data cannot be exported and must be copied
		manually, how do you feel?
Q07-F	Online membership	If prospective members can submit a membership request
	request	online, how do you feel?
Q07-D	_	If prospective members have to apply in person or by
		email only, how do you feel?
Q08-F	Personal dashboard	If each user sees a personalised dashboard with upcoming
		events, role tasks, and budget graphs, how do you feel?

Q08-D	_	If the system has no personal dashboard and users must
		navigate multiple pages for this information, how do you
		feel?
000 5	F 4 1	
Q09-F	Event reminders	If the system sends you reminders for events you marked
		as "Interested", how do you feel?
Q09-D	_	If the system does not send reminders for your
		"Interested" events, how do you feel?
Q10-F	In-system messaging	If members can message each other within the system,
		how do you feel?
Q10-D	_	If there is no internal messaging and members must use
		external apps, how do you feel?
Q11-F	Bulk roster	If officers can bulk-upload or download the membership
	upload/download	list via Excel/CSV, how do you feel?
Q11-D	_	If membership data must be added or extracted one record
		at a time, how do you feel?
Q12-F	Calendar	If you can subscribe to an ICS feed and see approved
	subscription	events in your personal calendar, how do you feel?
Q12-D	_	If you cannot subscribe and must manually add events to
		your calendar, how do you feel?
Q13-F	Wait-list	If the system automatically promotes wait-listed members
	auto-promotion	when seats open, how do you feel?
Q13-D	_	If wait-listed members must be added manually when
		seats open, how do you feel?
Q14-F	Drag-and-drop	If you can attach documents and images via simple
	attachments	drag-and-drop, how do you feel?
Q14-D	_	If you must navigate file-pickers or email documents
		separately, how do you feel?