Use Cases

for

SkillsBridge SG

Version 1.0 approved
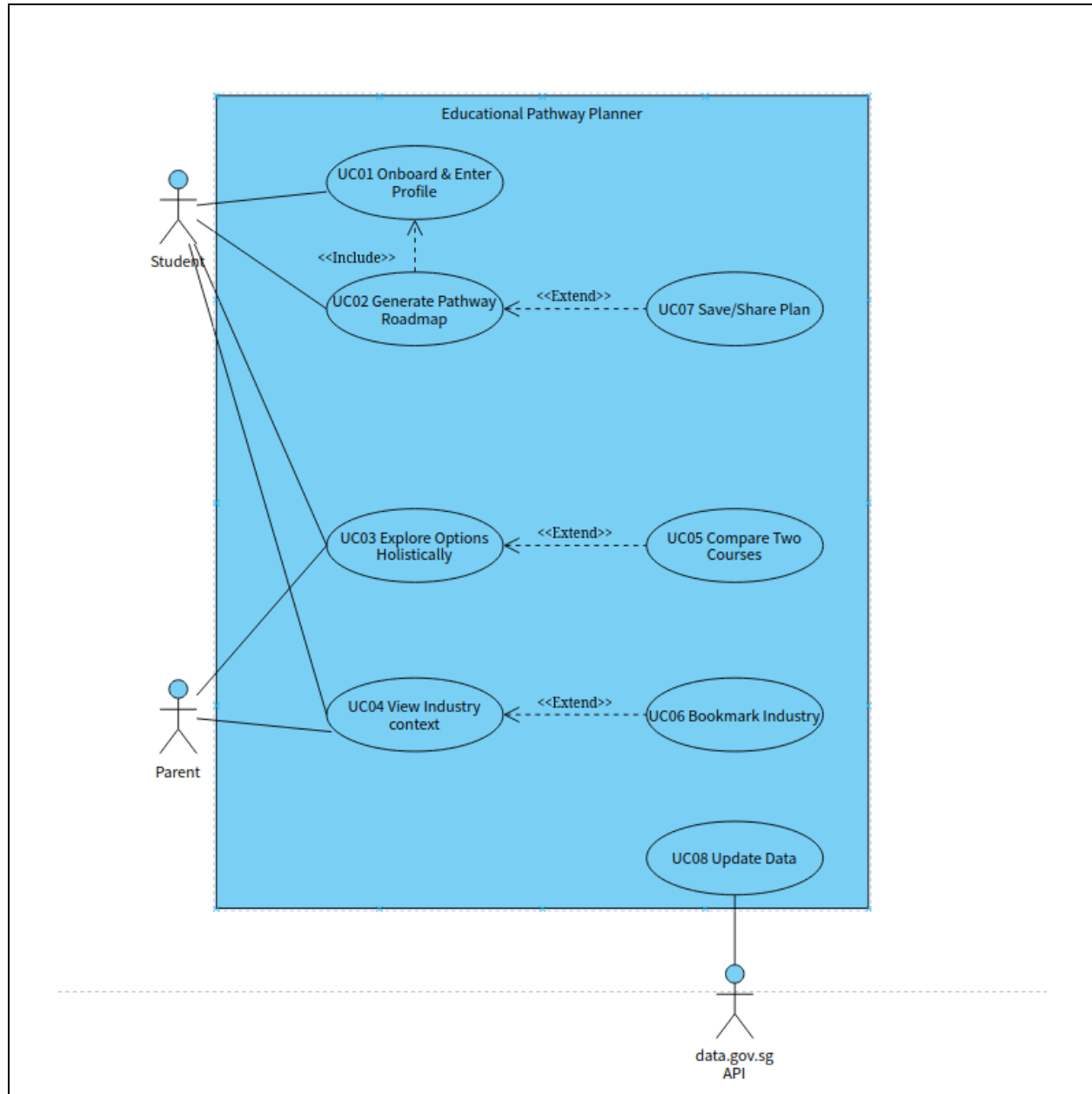
Prepared by <author>

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<date created>

Revision History

Name	Date	Reason For Changes	Version

Use case diagram

Use Case Description

Use Case ID:	UC01
Use Case Name:	Onboard and enter profile

Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student
Description:	Provide interests, subjects, CCAs, strengths to personalize suggestions
Preconditions:	User is authenticated or as guest; system available
Postconditions:	Profile stored; ready for roadmap generation
Priority:	High
Frequency of Use:	Very frequent
Flow of Events:	1. Actor enters interests/subjects/CCA 2. System validates inputs 3. Profile saved to session (persist through refresh)
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	UC02
Use Case Name:	Generate pathway roadmap
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student
Description:	Produce visual pathway (secondary → poly/JC → university → career).

Preconditions:	UC01 and UC08 completed
Postconditions:	Roadmap displayed; evidence panel available
Priority:	High
Frequency of Use:	Very frequent
Flow of Events:	1. System analyzes student profile against datasets 2. System renders interactive roadmap within performance targets 3. Actor clicks into nodes to view details (employment, salary, skills)
Alternative Flows:	
Exceptions:	Data gap: Show suggestions to refine inputs
Includes:	UC01
Special Requirements:	Render within 2s for 95% of requests
Assumptions:	
Notes and Issues:	

Use Case ID:	UC03		
Use Case Name:	Explore Options Holistically		
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student/Parent
Description:	Browse multi-pathway options with skills, CCAs, internships, industry links

Preconditions:	UC08 completed
Postconditions:	Detailed view showing Academic modules, associated soft skills and related industry links
Priority:	High
Frequency of Use:	Very frequent
Flow of Events:	1. Student selects a subject combination 2. System retrieves related post-secondary options 3. System displays each pathway option 4. Student clicks into one pathway to see details 5. System presents a detailed view
Alternative Flows:	**Actor: Parent** 1. Parent explores a career domain 2. System shows the full range of educational paths leading to the career domain
Exceptions:	Fallback message shown if no courses match
Includes:	
Special Requirements:	Render within 2s for 95% of requests
Assumptions:	
Notes and Issues:	

Use Case ID:	UC04		
Use Case Name:	View Industry Context		
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student/Parent
Description:	See dashboards with employment rates, demand growth, salaries, skills.
Preconditions:	Access to trusted sources (data.gov.sg, skillsfuture)
Postconditions:	Dashboard rendered with evidence shown.
Priority:	High
Frequency of Use:	Very frequent
Flow of Events:	1. Actor selects industry/domain 2. System fetches & visualizes workforce insights 3. System renders a dashboard with these insights
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	UC05		
Use Case Name:	Compare Two Courses		
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student/Parent
Description:	Side-by-side comparison
Preconditions:	Two sources selected and UC08 completed.
Postconditions:	Comparison complete.
Priority:	Medium
Frequency of Use:	Frequent
Flow of Events:	1. Actor adds course A and B to compare 2. System renders two-column comparison view 3. Evidence and sources shown per metric
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	UC06
Use Case Name:	Bookmark Industry

Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student/Parent
Description:	Save industry for later tracking
Preconditions:	UC04 completed
Postconditions:	Item appears in Saved list
Priority:	Medium
Frequency of Use:	Frequent
Flow of Events:	1. Actor taps "Bookmark" 2. System stores reference in profile
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	
Assumptions:	
Notes and Issues:	

Use Case ID:	UC07		
Use Case Name:	Save/Share Plan		
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	Student
Description:	Persist chosen roadmap and share with stakeholders
Preconditions:	UC02 completed
Postconditions:	Plan and shareable link created
Priority:	Medium
Frequency of Use:	Frequent
Flow of Events:	1. Actor saves roadmap as "Saved Plan" 2. System generates read-only share link
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	Generates link within 2 seconds
Assumptions:	
Notes and Issues:	

Use Case ID:	UC08		
Use Case Name:	Update Data		
Created By:		Last Updated By:	
Date Created:		Date Last Updated:	

Actor:	data.gov.sg API
Description:	Updates data from data.gov.sg API
Preconditions:	
Postconditions:	Data updated
Priority:	High
Frequency of Use:	Very frequent
Flow of Events:	1. System access data.gov.sg API 2. System updates internal dataset
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	Updates dataset daily
Assumptions:	
Notes and Issues:	