

ICT-25-2025 WeChat Mini Program (微信小程序)

Executive Summary

The Institute of Singapore Chartered Accountants (ISCA) invites qualified vendors to submit proposals for the design, development, and implementation of a **WeChat Mini Program** aimed at promoting and supporting the **Singapore Chartered Accountant Qualification (SCAQ)** programme.

The proposed Mini Program will serve as an accessible digital platform for potential and existing SCAQ students—particularly those in China—to **explore, register, and pay for programme modules** seamlessly within the WeChat ecosystem.

This initiative supports ISCA's goal of enhancing its digital presence in international markets and delivering a user-friendly, mobile-first experience for future accounting professionals. More information about SCAQ can be found at <https://isca.org.sg/scaq>.

Project Background and Objectives

Background

ISCA seeks to develop a WeChat Mini Program to provide an integrated digital solution for prospective SCAQ students to:

- Browse and purchase course modules,
- View past orders and payment history, and
- Make payments through multiple international payment gateways.

The Mini Program must be fully functional and compliant with the **WeChat environment** and capable of operating efficiently within **China's digital infrastructure**. The Mini Program be developed based on security by design approach, compliant to [OWASP Top 10 security risks](#).

Key Objectives

- **Develop an e-commerce-enabled WeChat Mini Program** based on security by design approach, with a modern, intuitive interface.
- **Implement a secure cloud-based backend** for data management and scalability.
- **Enable multi-currency and multi-payment support** (e.g., WeChat Pay, Alipay, credit cards).
- **Ensure compliance and reliability in the China market**, leveraging suitable cloud infrastructure (e.g., Tencent Cloud, Alibaba Cloud).
- **Provide all source code to ISCA**

Scope of Work

Phase 1 – Requirements and Analysis

- Conduct stakeholder interviews and requirement workshops.
- Gather both **business** and **technical** requirements.
- Develop initial mock-ups and confirm user experience design with ISCA.

Phase 2 – Design and Development

- Design and build the **front-end user interface**.
- Develop **back-end logic, databases, and API integrations** (RESTful, GraphQL, or WebSocket).
- Set up containerized deployment environments (e.g., Docker).
- Configure cloud services (AWS, Tencent, or Alibaba Cloud) or on-prem.
- Implement security that covers [OSWAP top 10 security risks](#), error handling, and logging mechanisms.

Phase 3 – Testing and Quality Assurance

- Conduct **unit, integration, and load testing**.
- Apply **CI/CD practices** for continuous integration and deployment.
- Execute user acceptance testing (UAT) with ISCA stakeholders.

Phase 4 – User Training and Documentation

- Deliver detailed **user manuals** and **technical documentation**.
- Conduct **training sessions** for system administrators and end users.
- Provide post-deployment support for troubleshooting and optimization.

Phase 5 – Operations and Maintenance

- Provide **ongoing support and maintenance** services.
- Perform **regular updates, vulnerability patches, and system monitoring**.
- Offer **service-level reporting** and performance optimization recommendations.

Project Timeline and Deliverables

Phase	Activity	Estimated Duration
Requirements & Design	Analysis, UI mock-ups	2 weeks
Development	Front-end, back-end, and integration	4 weeks
Testing & UAT	Quality assurance and sign-off	2 weeks
Deployment & Go-Live	Launch and monitoring	1 week
Total Duration	9-10 weeks	

Proposal Submission Requirements

Vendors must submit the following documents in their proposal package:

1. Detailed **technical solution and architecture** description
2. **Project plan** with milestones and deliverables
3. **Team composition** and resource allocation plan
4. Detailed **cost breakdown** (development, support, licensing)
5. Relevant **past project(s) experience and case studies**
6. **Support and maintenance** approach (SLA, response time, escalation)
7. **Risk management and mitigation plan**

Enquiries

For further enquiries and submissions, please email to ict.tenders@isca.org.sg with the subject "ICT-25-2025" before the closing date.

Closing date: 13 November 2025, 4pm (GMT+8)

Disclaimers

ISCA shall be under no obligation to accept the quotation with the lowest quote or enter correspondence with any vendor regarding the reason for nonacceptance of the quotation.

ISCA reserves the right unless the vendor expressly stipulates to the contrary in its quotation, to accept only such portion(s) of a quotation as ISCA may in its sole discretion decide and the quotation shall be adjusted accordingly.

ISCA reserves the right to make amend, alter, change or repel any of scope of work in this document.