



جامعة العلوم الإسلامية العالمية
The World Islamic Sciences & Education University (W.I.S.E)

Software modeling Online Mobile Recharge Portal Project. Dr. Issa Al-Atoum

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Version 2.0



Online Mobile Recharge Portal Project

Online Mobile Recharge is a web based application developed in PHP to recharge mobile phones.

The project focuses on providing an easy and reliable platform to recharge the mobile of any telecom operator online without purchasing a recharge card.

Registered or unregistered users can recharge their prepaid mobile phones from anywhere and at any time, and the proposed mobile recharge project has been developed to automate the mobile recharge process. It eradicates the manual card system for recharge and introduces a new and real online recharge process that is linked with the blockchain.

Online mobile recharge system is beneficial for both administrators and users.

Using the online application, the administrator can add new operators, tariff plans and offers and update or modify existing tariff plans.

It helps users to link their electronic wallets with the application, and then recharge their mobile phones at any time.



Online Mobile Recharge System Requirements

Standard PC or Macintosh (at least 1-GHz processor and 1 GB of RAM)

Available browser updates applied for improved security that provides anti-virus and spyware protection.

Microsoft Windows 7/8/10 or Mac OS X.

Cable, Digital Subscriber Line (DSL), or Integrated Services for Digital Network (ISDN) Internet connection. Connection should have a minimum 1Mbps download speed. (Dial-up connections are not supported.)

Online Banking – Browsers Recommended Versions

Google Chrome (Current and previous 2 versions)

Mozilla Firefox (Current and previous 2 versions)

smart contract

A smart contract is a computer program or a transaction protocol which is intended to automatically execute, control or document legally relevant events and actions according to the terms of a contract or an agreement.

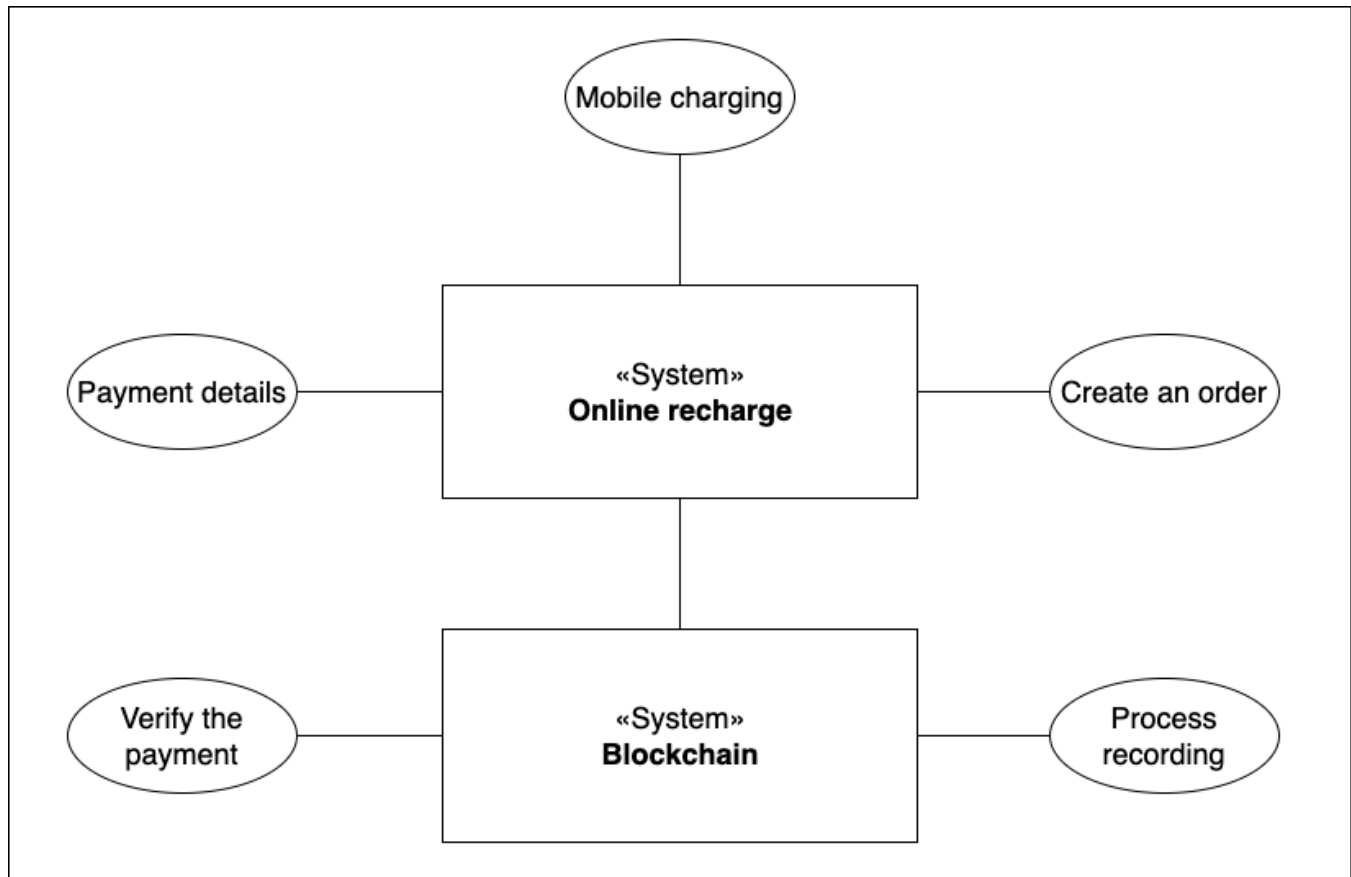
Requirements for an electronic wallet linked to the Ethereum blockchain

MetaMask, Or any decentralized wallet.

Available as a browser extension and as a mobile app, MetaMask equips you with a key vault, secure login, token wallet, and token exchange

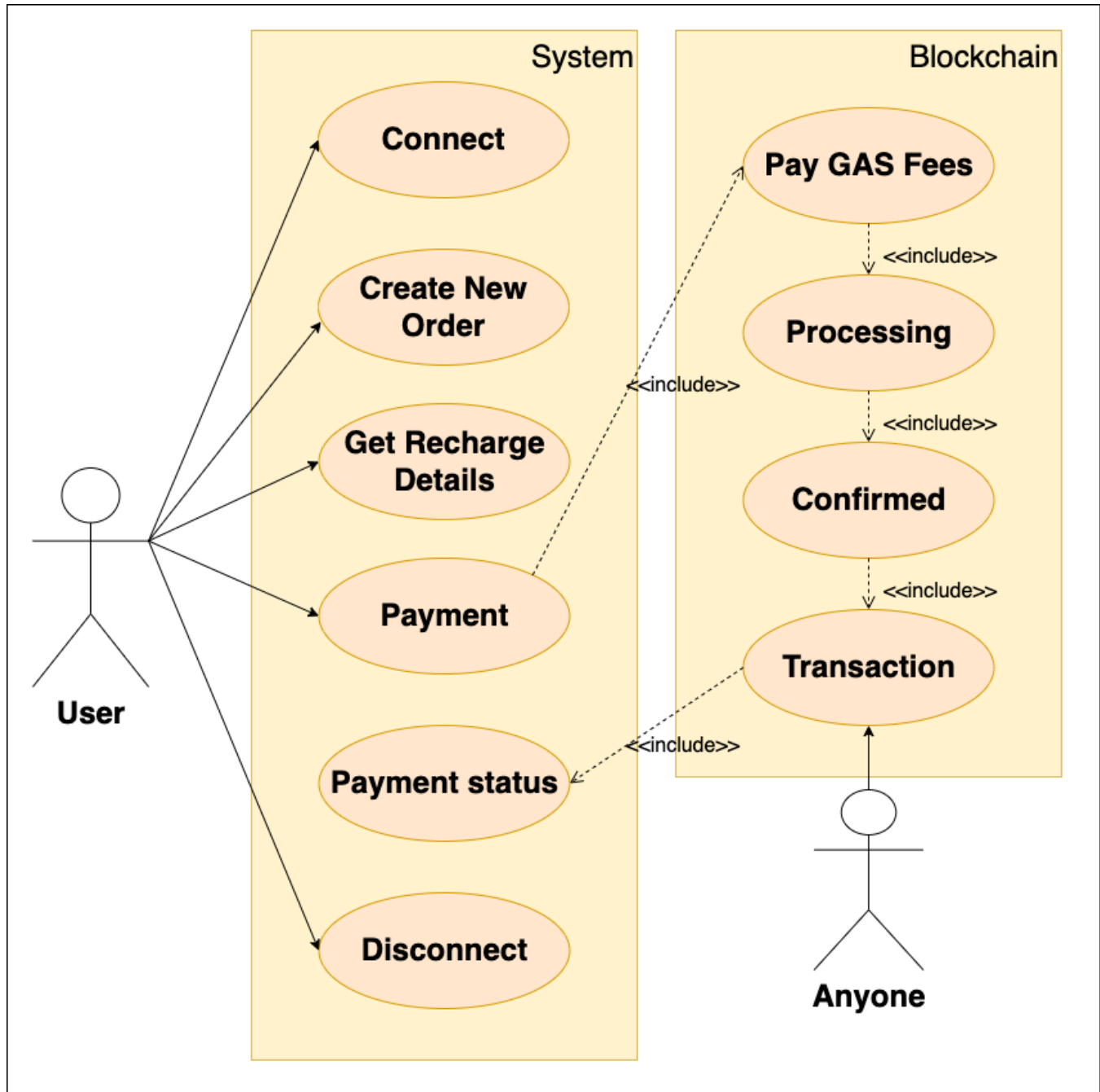


Context Diagram



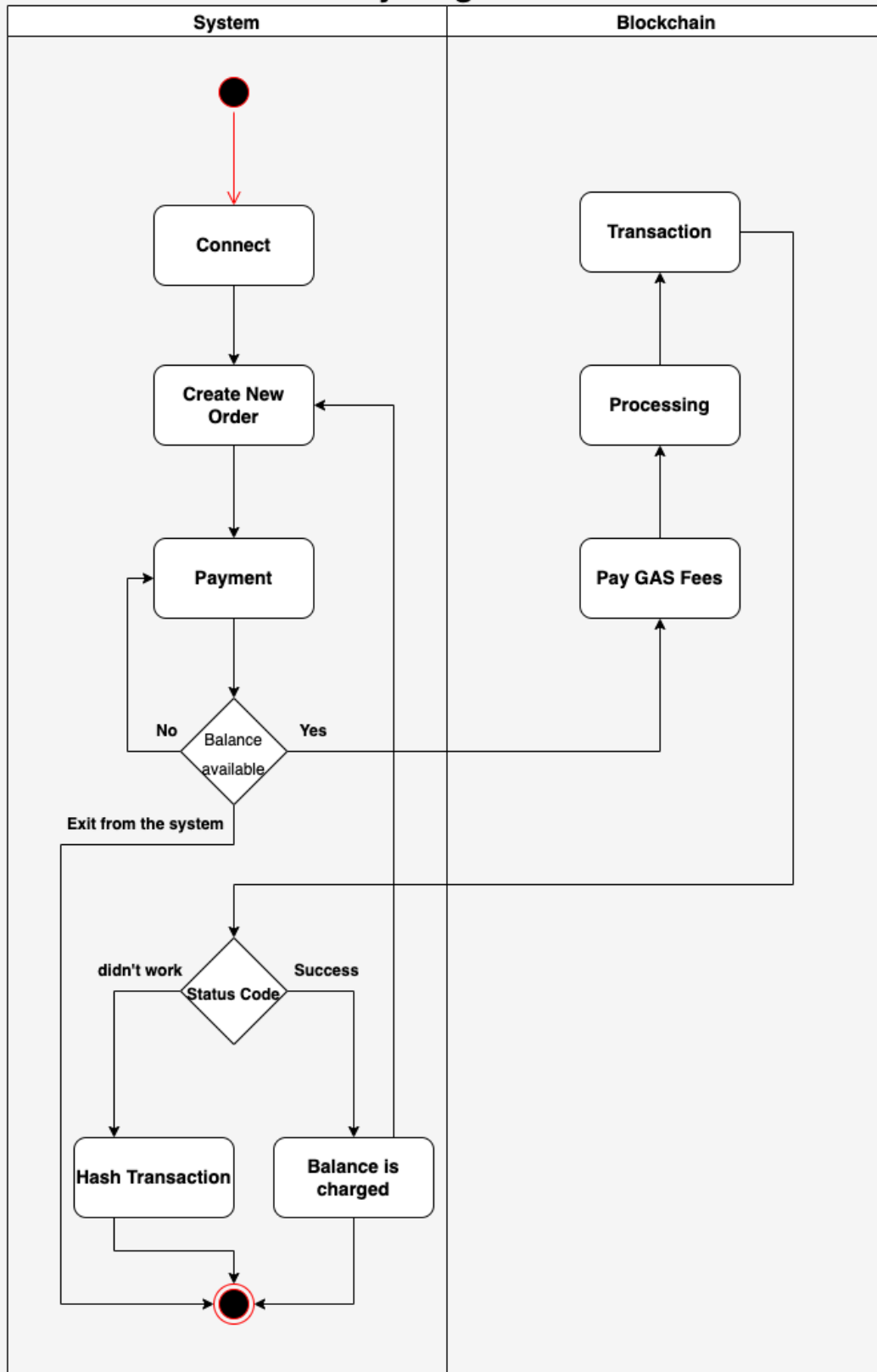


Use Case Diagram



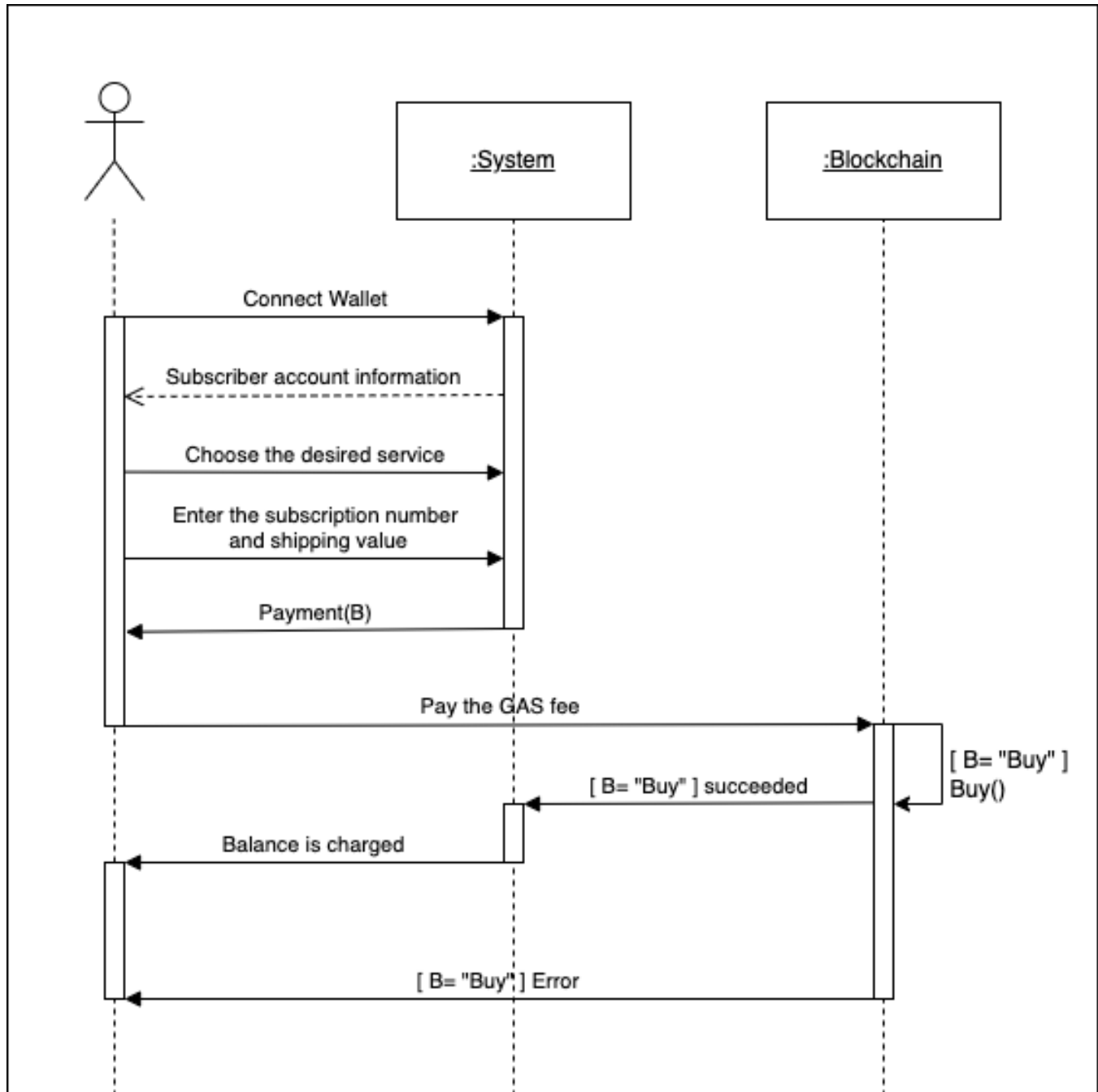


Activity Diagram



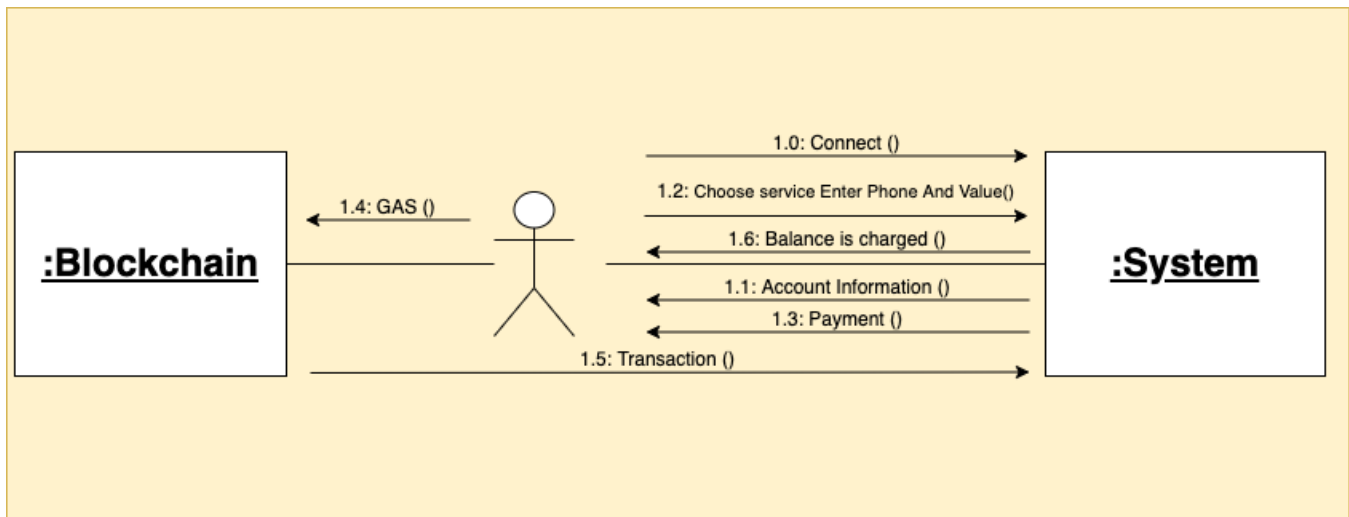


Sequences Diagram





Communication Diagram





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