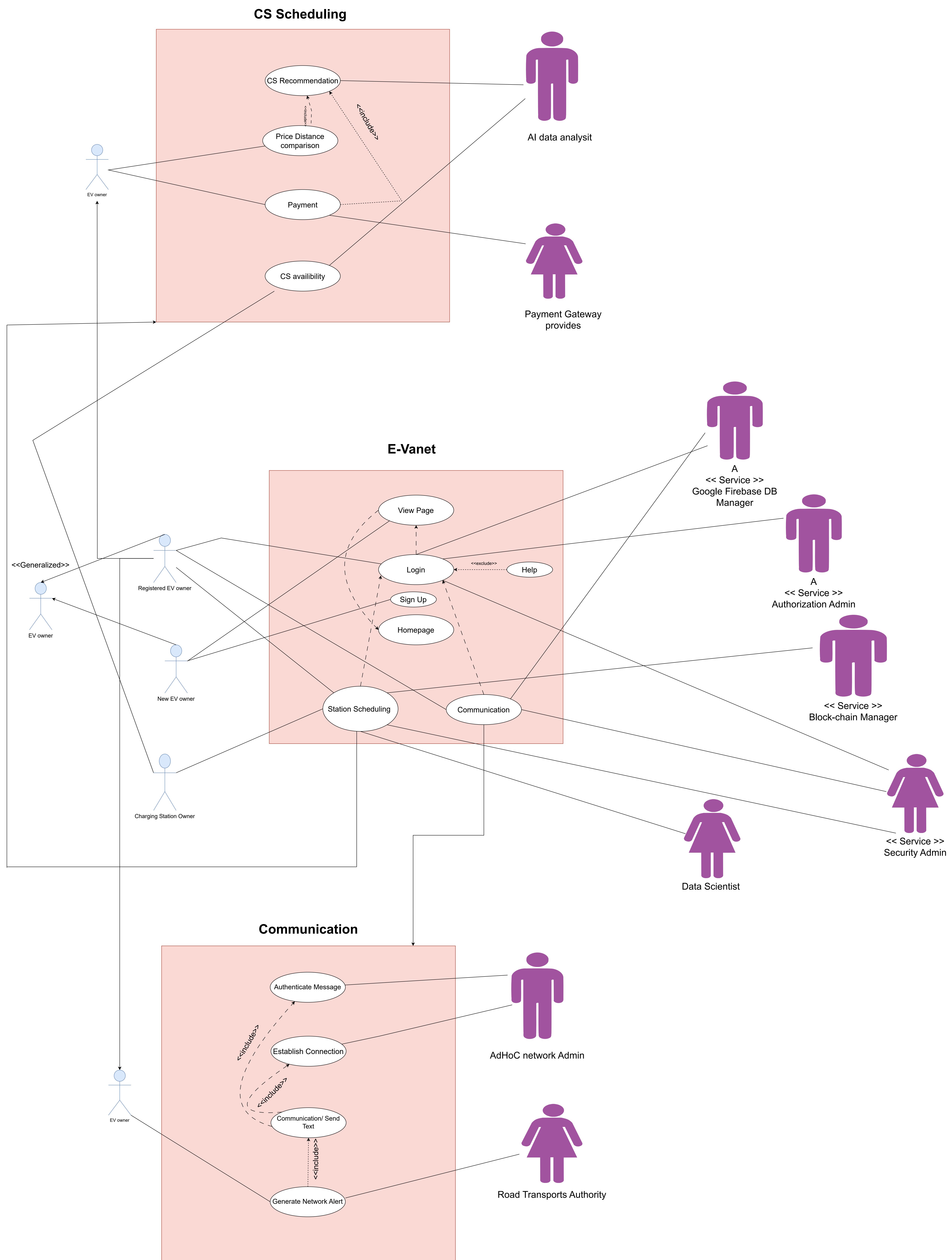


SMART E-VANET USE CASE DIAGRAM



Use Case	Actors	Main Funcation	Description	Context Info	Precondition	Flow of Event
E-vanet	EV owner : Registered and New Owner, CS owner, DB manager, Block-chain Admin, Authenticationn Admin, Security Admin, Data Scientist	Log in/Sign up, View Available options, Fetch Current EV data, page to go ahead for CS scheduling and communication module	Provide Log in and Sign up facility, Display User data and current EV data fetched from sensors	Username (EV number) password, Sensor access permission	User must have a compatable smart EV, User have proper authenticity to use EV.	New user will come and sign up, Exsiting use will log in and see their current account info, EV stats and current sensor data
		Recomment and Schedule CS, provide pre-payment gateway	Based on current EV stats, CS reccomendation provided to user based on thresold-price-distance-availability, provide payment methods towards CS	EV stats (Bettery Current, Bettery Volatage, various Air-vent temp, time), Block-chain for data security	Registered EV owner, current SoC less than threshold	System will generate CS recommendation, User will performe CS selection based on provided recommendagtion and then payment will be done through user if he wants to ensure the CS
Communication	Registered EV owner, AdHoc network admin, Road Transport Authority	Send Message, Receive Message, Establish Connection	Share and receive messages if any hazardous situation occurs towards other EV owner and Road Tranport Authority	AdHoc network configuration	EV owner's vehicle or mobile device is equipped with the capability to accept ad-hoc communication.	If any unfavoured condition occurs, EV owner first establishes connection with peer-to-peer config using Network provider, then sends messages and other users and Transport Authority receives that text and takes action.