

Software Application Type: Hotel Reservation System**Team members: A, B, C**

Module	Functionality (services provided)	Modules Used	Sub-component of Module
Web UI	<ul style="list-style-type: none">Specify hotel search criteriaDisplay candidate hotelsSelect specific hotelEnter reservation detailsSend reservation requestEnter hotel review	Reservation Manager	
Reservation Manager	<ul style="list-style-type: none">Coordinate searches for hotelsCoordinate creation of hotel reservationsCoordinate paymentCoordinate reviewsCommunicate information back to the Web UI	Payment system Hotel gateway server Data Store	Local Server
Hotel Gateway Server	<ul style="list-style-type: none">Retrieve details about availability of rooms at a hotelReceive and acts on requests to create reservationsCommunicate with individual hotels to reserve rooms	Individual hotel information systems	
Data Store	<ul style="list-style-type: none">Store and retrieve information about registered usersStore and retrieve individual user reservation historyStore and retrieve static information about hotels available via the system (locations, photos, reviews, etc.)	Authentication	Cloud Server
Authentication	<ul style="list-style-type: none">Verify user login information		Cloud Server
Payment System	<ul style="list-style-type: none">Handle credit card or bank transfer transactions to pay for hotel roomsReturn transaction status		

Component diagram:

