

DW Minor Project

GroupNumber_4

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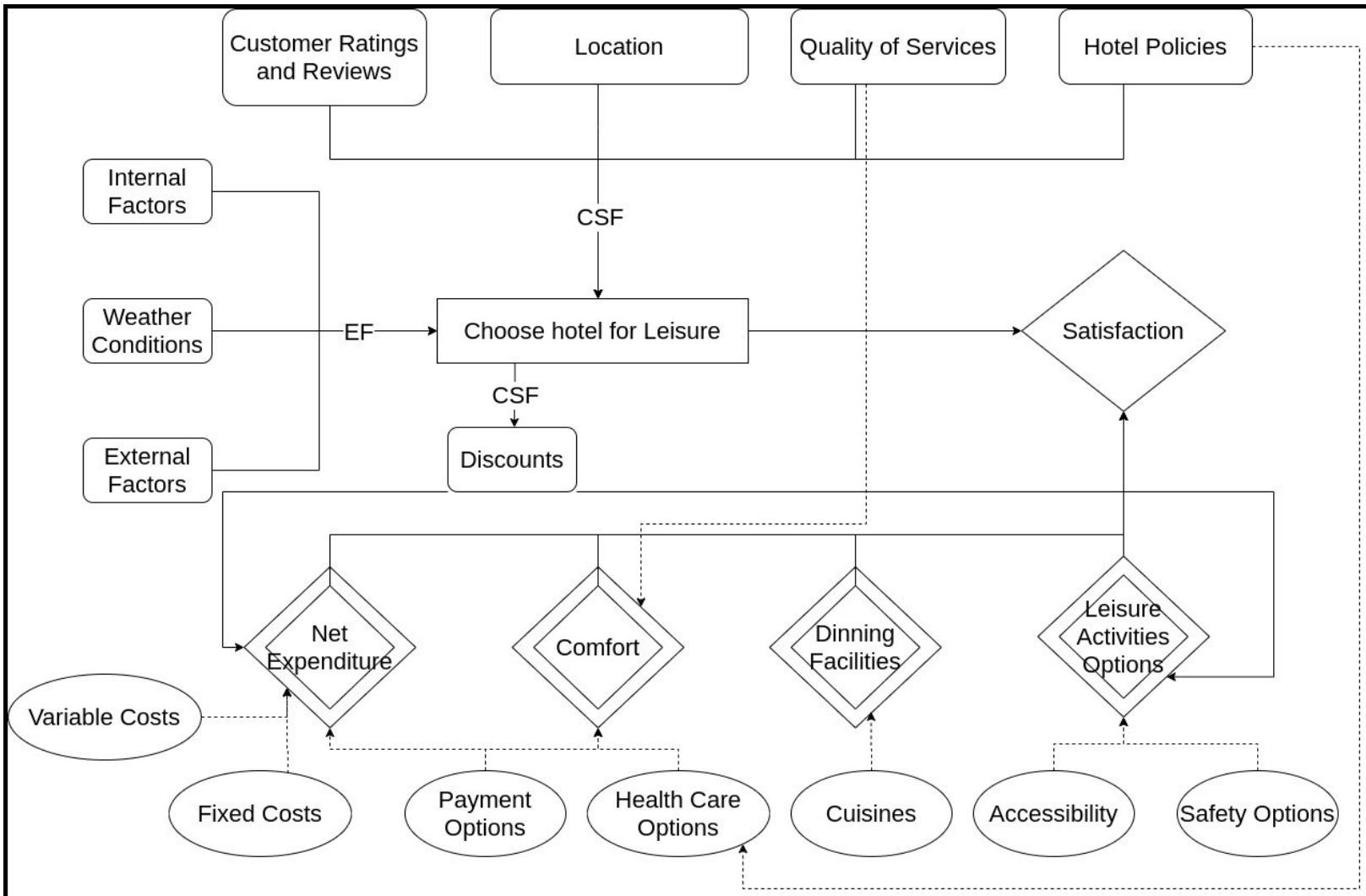
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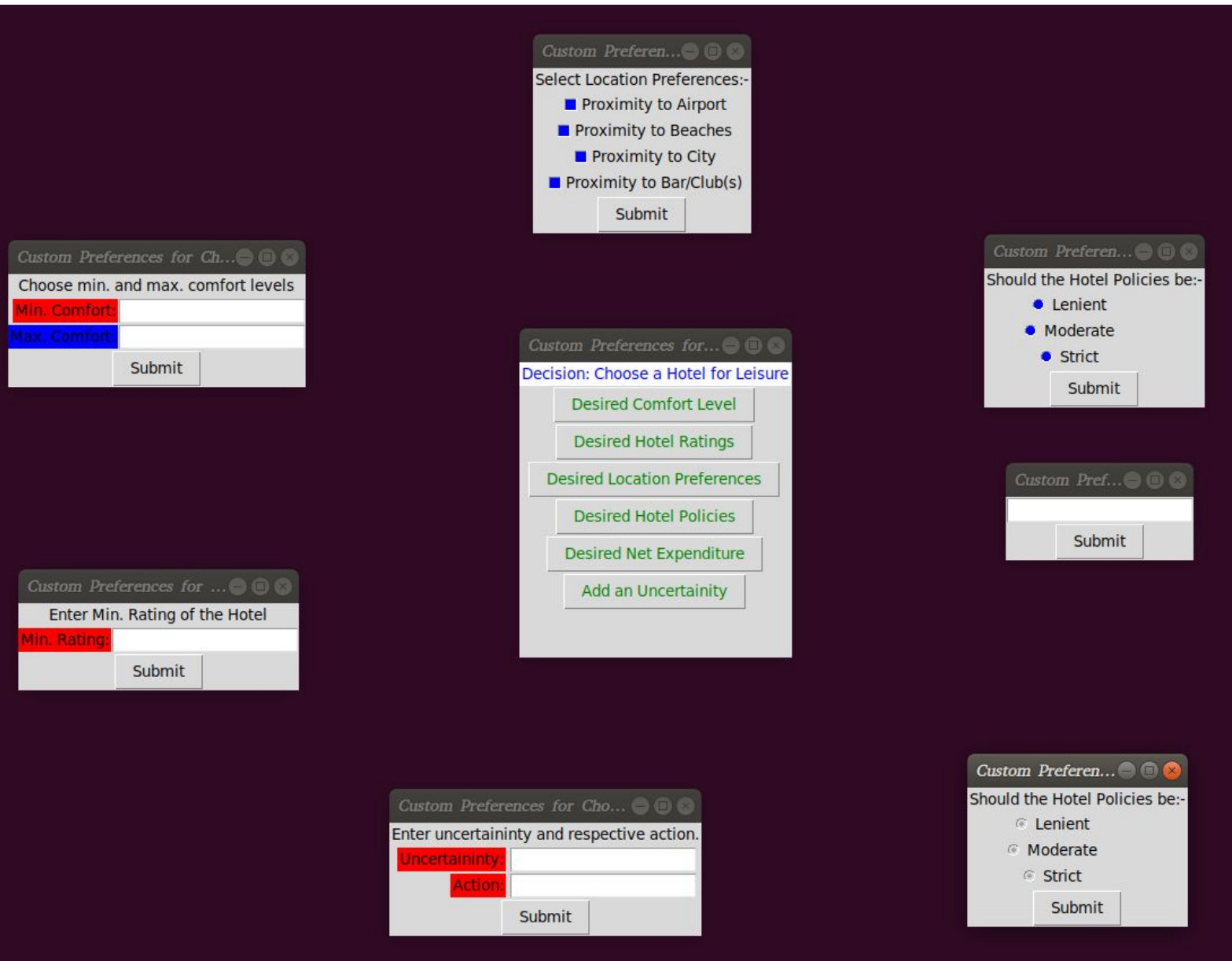
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Augmented Influence Diagram



GUI(Graphical User Interface)



DB Schemas

1. Average Customer Rating

Hotel ID	Comfort (Input Value)	Cleanliness (Input Value)	Services & Facilities (Input Value)	Expense (Input Value)	Satisfaction (Input Value)
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2. Hotel Policies

Hotel ID	Pets (Boolean)	Check-In/Out Time	Health-Care Options	Cancellation Charges
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3. Hotel Facilities

Hotel ID	Swimming Pool (Boolean)	Breakfast Included (Boolean)	Parking (Boolean)	Order-In (Boolean)	Dining (Boolean)
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4. Room facilities

Hotel ID	Single Room (Boolean)	Double Room (Boolean)	Deluxe Suites (Boolean)	Attached Bathrooms (Boolean)	Hostel Room (Boolean)
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5. Dining Facilities: Cuisines

Hotel ID	Breakfast (Input Value)	Lunch (Input Value)	Dinner (Input Value)	Bar (Input Value)
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6. Payment Options

Hotel ID	Fixed Cost (Input Value)	Variable Cost (Input Value)	Offers & Discounts (Input Value)	Payment Options Available (Input Value)	Payment before booking (Boolean)
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7. Location Factors

Hotel ID	Location (Input Value)	Average Weather (Input Value)	Near_To Airport or Railways (Boolean)	Nearby Restaurant s (Boolean)	Tourist Places (Input Value)
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DIEM Objects

1. O_{Meansi} : Maximize Comfort, Minimize Net Expenditure, Maximize Dining Options, Maximize Leisure Options.
2. O_{Endsi} : Maximize Customer Satisfaction with the Chose Hotel.
3. O_{CSF} : Highly Customer Rated Hotel, Accessible Hotel, High Quality of Services, User-centric Hotel Policies.

Future Work

4. Add functionality to support more Decisions(sub) from Users.
5. On the Go Influence Diagram Development based on the user suggestions.