1. **Floor Plan Generator AI:**

   ➤ Start with the floor plan generator since it serves as the foundation for both interior and exterior designs. A floor plan gives a clear layout of the space, which is necessary for generating accurate interior and exterior visuals.

2. **Interior Plan Generator AI:**

   ➤ Once the floor plan is ready, the interior plan generator can be developed. The interior design relies on the layout provided by the floor plan to arrange furniture, fixtures, and other elements accurately.

3. **Exterior Plan Generator AI:**

   ➤ Finally, develop the exterior plan generator. It can utilize information from the floor plan to design the outer structure, ensuring that windows, doors, and other architectural features align correctly with the interior layout.

Floor Plan Generation

Commercial Building

- **Reception, Manager's Office, Office Spaces, Meeting Rooms**

- **Restrooms, Cafeteria/Break Room, Parking, Elevators**

- **Storage, Emergency Exits, Utility Rooms**

L-Shape House

- **Living Room, Kitchen, Dining Area**

- **2-4 Bedrooms, Garage, Storage Room**

- **Laundry Room, Garden, Pool (Optional), Patio**

- **Bathrooms, Entryway/Foyer, Balcony (Optional)**

G+ House

- **Ground Floor: Living Room, Kitchen, Guest Bedroom (Optional), Garage, Pool, Laundry**

- **First Floor: Master Bedroom, Additional Bedrooms, Bathrooms, Home Office, Balcony**

- **Storage Room, Garden, Patio, Entryway/Foyer**

Apartment Layout

- **Living Room, Kitchen, Dining Area**

- **1-3 Bedrooms, Bathrooms, Laundry Area**

- **Balcony (Optional), Parking, Elevator (if multi-story)**

- **Storage, Security Entry System**

Question for each floor plan layout

Total Building Area:

- "What is the total available area for the commercial building (in square feet)?"

Individual Floor Space:

- "How many floors does the commercial building have, and what is the square footage for each floor?"

Reception Area:

- "How much space would you like for the reception area (in square feet)?"

Manager's Office:

- "How large should the manager's office be (in square feet)?"

Office Spaces:

- "How many office spaces do you need, and what is the square footage for each office?"

Meeting Rooms:

- "How many meeting rooms are required, and what size do you need for each meeting room?"

Cafeteria/Break Room:

- "How much space would you allocate for the cafeteria or break room (in square feet)?"

Parking Area:

- "How many parking spots do you need, and do you require vehicle circulation within the building?"

Elevators:

- "Do you need elevators? If yes, how many should be included?"

Restrooms (Men's & Women's):

- "How many restrooms are required on each floor, and how large should they be?"

Storage Room:

- "What is the space requirement for the storage rooms (in square feet)?"

Emergency Exits:

- "Are there any specific requirements for emergency exits or stairwells?"

L-Shape House Layout

- **Total Land Area:**

  - "What is the total land area for the L-shaped house (in square feet or meters)?"

- **Ground Floor Area:**

  - "What is the desired square footage for the ground floor (living room, kitchen, and guest spaces)?"

- **First Floor Area:**

  - "How much space do you want for the first floor (bedrooms, bathrooms, etc.)?"

- **Living Room:**

  - "How large should the living room be (in square feet)?"

- **Kitchen:**

  - "What size kitchen do you need (in square feet)?"

- **Dining Area:**

  - "How much space is required for the dining area (in square feet)?"

- **Bedrooms:**

  - "How many bedrooms do you need, and what size should each be?"

- **Bathrooms:**

  - "How many bathrooms are required, and how large should each bathroom be?"

- **Garage:**

  - "What is the space requirement for the garage (in square feet)?"

- **Garden/Lawn Area:**

  - "How much space should be allocated for the garden or lawn (in square feet)?"

- **Pool:**

  - "Would you like a pool? If so, what is the ideal pool size (in square feet)?"

- **Patio/Outdoor Area:**

  - "How much space should be allocated for the patio or outdoor seating area?"

- **Entryway/Foyer:**

  - "How much space do you want for the entryway or foyer (in square feet)?"

3. G+ House Layout

Ground Floor Features (G)

- **Total House Area:**

    o **"What is the total area available for the G+1 house (in square feet or meters)?"**

- **Living Room:**

    o **"How large should the living room be (in square feet)?"**

- **Kitchen & Dining Area:**

    o **"How much space should be allocated for the kitchen and dining area?"**

- **Guest Bedroom (Optional):**

    o **"How much space should the guest bedroom take up (in square feet)?"**

- **Guest Bathroom:**

    o **"How large should the guest bathroom be (in square feet)?"**

- **Garage:**

    o **"How much space should the garage occupy (in square feet)?"**

- **Storage Room:**

    o **"How much space is needed for storage (in square feet)?"**

- **Laundry Room:**

    o **"How much space is required for the laundry room (in square feet)?"**

- **Pool:**

    o **"Should there be a pool? If so, how large should the pool area be (in square feet)?"**

- **Garden/Lawn Area:**

    o **"How much space should be allocated for the garden or lawn (in square feet)?"**

Floor Features (1)

- **Master Bedroom:**

    o **"How large should the master bedroom be (in square feet)?"**

- **Additional Bedrooms:**

    o **"How many additional bedrooms do you need, and what is the ideal size for each (in square feet)?"**

- **Common Bathroom:**

- o "How much space is needed for the common bathroom(s)?"
- **Home Office/Study Room (Optional):**
  - o "Would you like a home office or study room? If so, what size (in square feet)?"
- **Balcony/Terrace:**
  - o "How large should the balcony or terrace area be (in square feet)?"
- **Entertainment Room (Optional):**
  - o "Would you like an entertainment room? If so, how large (in square feet)?"

---

4. Apartment Layout (Essential Features Included)

- **Total Apartment Area:**
  - o "What is the total available area for the apartment (in square feet or meters)?"
- **Living Room:**
  - o "How large should the living room be (in square feet)?"
- **Kitchen:**
  - o "What is the preferred size of the kitchen (in square feet)?"
- **Dining Area:**
  - o "What size do you want for the dining area?"
- **Bedrooms:**
  - o "How many bedrooms do you need, and what size should each be?"
- **Bathrooms:**
  - o "How many bathrooms are required, and what size should each bathroom be?"
- **Laundry Area:**
  - o "How much space is needed for the laundry area?"
- **Storage Space:**
  - o "How much space should be allocated for storage or closets?"
- **Balcony (Optional):**
  - o "Would you like a balcony? If yes, how large (in square feet)?"
- **Parking:**
  - o "How many parking spaces should be included, and where should they be located?"

- **Elevator (For Multi-Story Apartments):**
  - "How many elevators should the building have, if applicable?"