The Hashemite University
Department of Architecture
ARCH421 - Fall 2024: Architectural Design 5

SPC: C2-C3

Project: Neighborhood design

St. Name: Rahaf Abu-Alsoud

Project Description: Design of high-rise Media City by using comprehensive design methodology including integrating design, interior building, function, circulation nodes, structural, environmental, and construction systems, services core, flow spaces, exterior envelopes, electro-mechanical systems, and supporting services, materials selections, life-safety provisions, active/passive energy systems, site planning, regulations, and the principle of sustainability.

Site



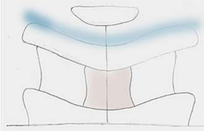
Concept

How?

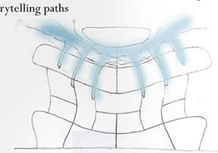
Organic branching structure connecting all parts of the neighborhood smoothly.



Wave-like street patterns echo the flow of tides, bringing a sense of peace and healing,The central curved section acts as a cultural and historical core, featuring elements like sea walls, murals, and storytelling paths



Smaller streets branch off the main roads, establishing a cohesive internal street network



Curved interior roads create a flowing, organic layout that reflects the movement of water.

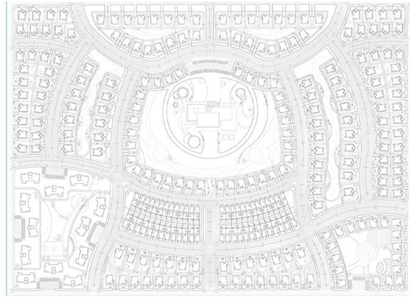
Development diagram

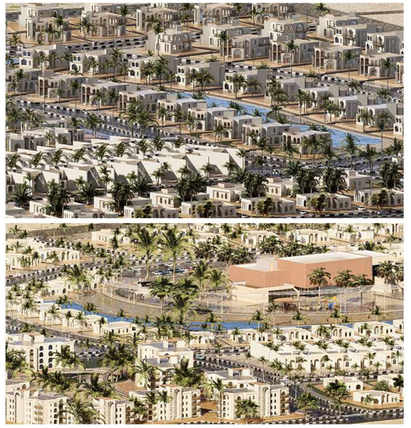






Master plan



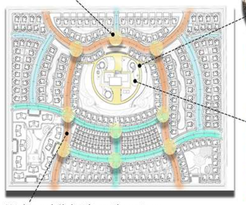




Movement

All homes within walkable range to services (15- min city)

Gradual road curves (no abrupt turns)
Evenly spaced intersections
Centralized public facility placement for equitable access



Main loop road (Black circle) provides continuous circulation around all residential zones



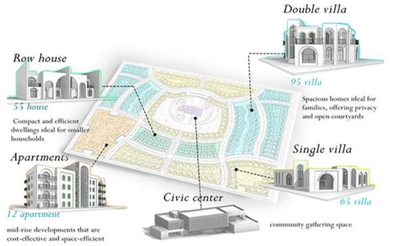
Internal Connectivity Between Housing Types

No housing type is isolated: all are integrated by shared loops and landscape buffers.



Centerlized activites

Civic center is within a 3–5 min walk from nearly all housing units







The Hashemite University
Department of Architecture

ARCH422: ARCHITECTURAL DESIGN 6

Project:Urban Design

SPC: A5-B2

Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

St. Name: SALAM OMAR ALMASHAAREH

Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.

CONCEPT I

WHAT ?

MERGING DIFFERENT CULTURES INTO ONE SOCIETY
OVERLAPPING OF DIFFERENT CULTURES TO FORM ONE SOCIETY



WHY ?

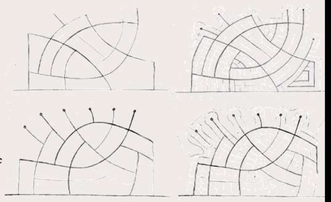
CREATING MANY GATHERING PLACES.
ENHACE COMMUNICATION BY PEOPLE OF DIFFERENT ORIGIONS.

HOW ?

supports identity and belonging

It creates learning and cultural exchange opportunities

adds human and economic value to the project



































double-story villas







single houses





row houses









apartments







Project Overview

Objective:
The primary objective of this project is to analyze the current housing conditions, patterns, and needs within the selected area. This includes evaluating housing supp and demand, affordability, quality, accessibility, and future growth trends to inform urban planning and policy-making.





Low-density areas (single and double villas) are placed:
Along the periphery
Adjacent to green buffers
In quieter sections to maintain privacy

High-density areas (apartments and row houses) are strategically placed near:
Main roads
Public services
Civic centers





Variety

Urban Form & Street Network

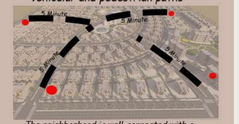
Movement & Connectivity





vehicular and pedestrian paths

Walkability Measures
Sidewalks, speed humps, and bike paths support non-motorized mobility. The design encourages a ***5-minute*** *walk radius to open spaces and community centers*



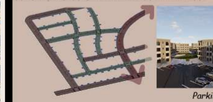
The neighborhood is well-connected with a hierarchy of roads

Street Typology

Main and local streets define the internal structure







Parking

Parking on street

Social Dynamics & Public Life

open green spaces, civic centers, and children's play areas to encourage social interaction.

Equity *is considered in terms of distributing open spaces and services across housing types*
Environmental & Behavioral Aspects

Apartments and row housing are designed with communal courtyards and proximity to public functions.

Safety & Legibility

Building Orientation: Openings and balconies face public spaces (streets, parks, civic areas)

Legibility is improved by central visual landmarks, loop road structures, and defined pedestrian circulation.

Street Furniture

Lighting & Access
easily navigable, encouraging safe usage at all times.

Organization into distinguishable units promotes orientation and community identity.

contextual density planning
The distribution of typologies is partially planned to avoid density overload in any specific section and preserve privacy.

Ensuring equity in spatial access and environmental quality

This mix balances livability, walkability, and community services, while maintaining a low-carbon, human-scaled urban form.

Maximizing land efficiency in urban cores

7) Sustainable Housing

Energy-efficient, affordable, and diverse housing types
Includes adaptive reuse and low-impact materials

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ARCH422: ARCHITECTURAL DESIGN 6
Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2

Project:Urban Design St. Name: **LEEN ABDEL HAFID AL-HUSSEIN**

Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.



PARADISE BAY

WHERE THE MEDITERRANEAN MEETS SERENITY









Al -Marine Neighborhood

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Department of Architecture

ARCH422: ARCHITECTURAL DESIGN 6

Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2

Project:Urban Design

St. Name:Rayan Al-shalabi

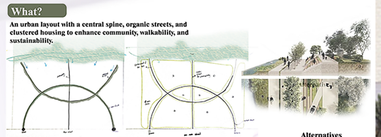
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Concept

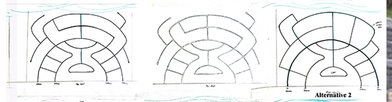
The Radiant Core: A Coastal Radial Neighborhood

What?

An urban layout with a central spine, organic streets, and clustered housing to enhance community, walkability, and sustainability.



Alternatives



Alternative 2



Land Subdevision

Alternative 2

Why?

The design promotes nature, walkability, community, and reduced traffic through green corridors, cul-de-sacs, and clear street hierarchy.

These drawings represent different stages of the master plan development for a modern residential neighborhood, showing variations in layout, building distribution, and landscape design.



Alternative Alternative Alternative

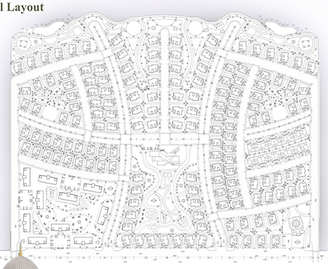


Alternatives in Landscape &by Combining Blocks

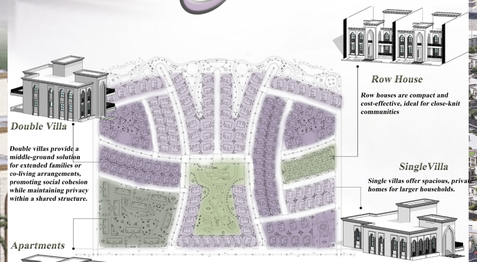
How?

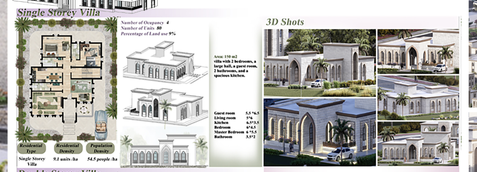
A central green park with paths, curved roads for calming traffic, and cul-de-sac clusters for safe, quiet living.

Final Layout



حي المارين













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A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2

St. Name:Aseel Abugaoud - 2135172

Project:Urban Design

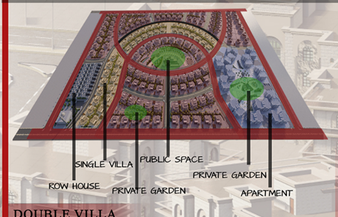
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Concept: Develop beachfront compounds that integrate residential, commercial, hospitality, and cultural uses within a walkable urban grid. This .model balances seasonal tourism with year-round urban functionality

Concept: Environmentally sustainable beachfront compounds designed with minimal ecological footprint, using renewable energy, water recy- .cling, and indigenous landscaping

Concept: Create compounds inspired by Egypt's Mediterranean vernacular—using traditional materials, whitewashed walls, inner courtyards, .and shaded arcades—reimagined for modern living and tourism

حي الدارة



DOUBLE VILLA





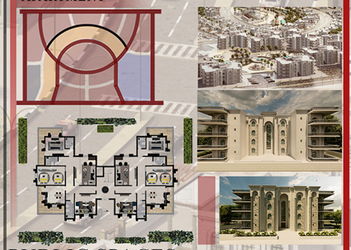
SINGLE VILLA



ROW HOUSE



APARTMENT



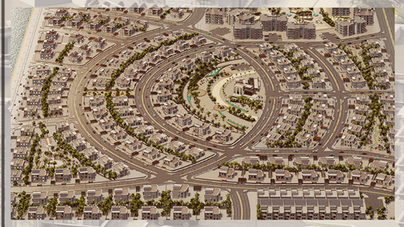
PUBLIC SPACES



PRIVATE GARDEN

private garden between apartments refers to a shared or exclusive-use landscaped outdoor area located between residential apartment .buildings













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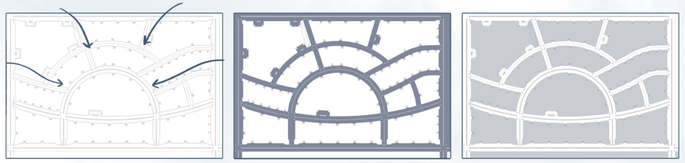
حي التلاقي

SPC: A5-B2

Project:Urban Design

St. Name:TASNEEM BARHAM - 2135569

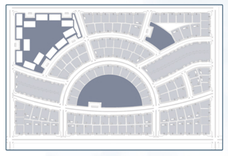
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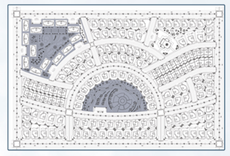
01 SEA AND LAND INTEGRATION

02 DEFINING MAJOR STREETS

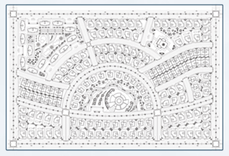
03 SETTING BLOCKS AND SECONDARY STREETS



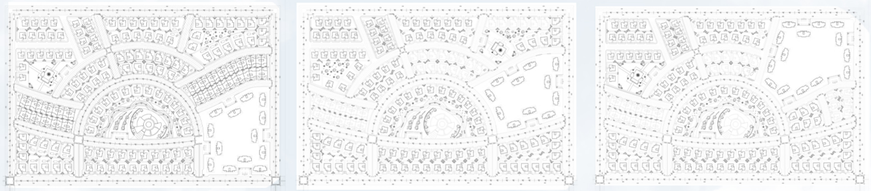
04 ZONING AND PUBLIC SPACES



05 LINKING WATER FEATURES AND GREENARY



06 INITIAL MASTER PLAN



Single Villa



Row House



Double Villa



Apartment



DIVERSITY AND AFFORDABILITY OF HOUSING

