

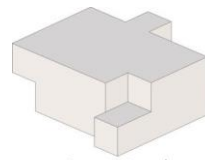
Final Year Project Showcase Batch-2017 Year 2022

Department: Architecture and Planning Programme: <i>Architecture and Planning</i>	
1 Project Idea	<p style="text-align: center;">Architectural Pragmatism Exploring Bjarke Ingels design philosophy towards Residential Satisfaction</p> <ul style="list-style-type: none"> The primary objective of the research is to explore the lifestyle and housing pattern of the people of Karachi and understand major disturbing aspects that can be corrected through Architectural solutions enhancing a better life quality/index. The core idea has always been to explore living setup of the people of our region rather than implementing any international standard over them and retain the cultural setup of our homes, which is evidently lost in high rise apartments due to lack of space or insensitive business mentality of the real estate. Thence the idea is to design an apartment building that will encompass all luxury and satisfactory living standard of a house through Architectural solutions and compositions. As described below in the diagram: <p style="text-align: center;"><u>LIVING IN A HOME</u></p> <p style="text-align: center;"> ■ Past Home - Living ■ Traditional Apartments ■ New Norm Coaxed </p>
2 Process	<p>Research Phase I: literature review, research methodology and sit study around 8 months</p> <p>Design Phase II: design concept, master plan and details with floor plan, elevations sections, etc. 4 months</p>
3 Outcome	<p>The final outcome has always been to construct a residential building that encompasses attributes of life in a home itself. Where the product has the capacity to adapt to the social and private life scenarios understanding lifestyles of the people of our region and interpreting them into architectural compositions as the new norm of living.</p> <p>Idea implementation: To illustration and define the concept for residential satisfaction, one has to dive deep into the roots and causes of distress occurred in time; thus the idea has been to chisel out satisfactory dwellings as we recall them 'homes' and dispose the features into much</p>

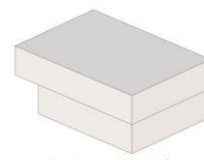
needed attribute of the time that is vertical living without sacrificing the luxury, sustainable dependence, privacy and visual permeability in the dwellings as a by-product to adaptation in time. The psychology is summed up in a manner:

“If people are different, why do they need to have similarly structured houses anyway?”

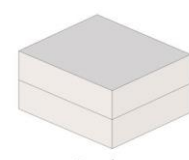
Modular Patter subjugated: A simple formula has been intertwined with several combinations to attain 27 variant apartment module typologies that are wrapped in six floors of duplex juxtaposition with relative configurations.



Proportional
Protrusion & Intrusions



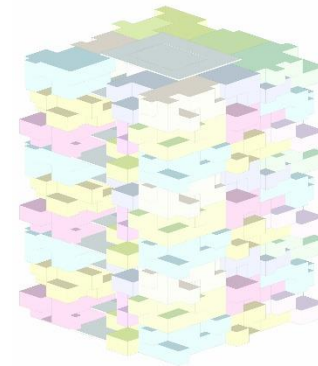
Services Corridor
Extension



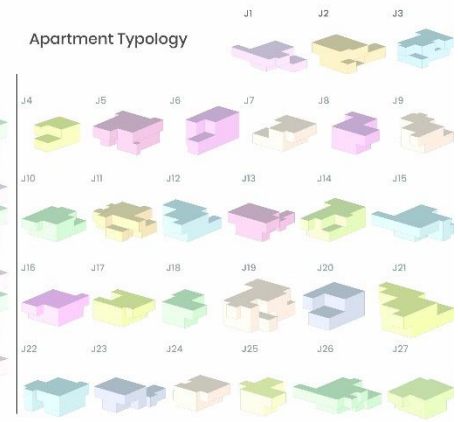
Duplex
Formation

The diagram beneath is an axonometric visualization of all apartment categories when overlapped onto one another for understanding their position and massing interplay through evident color variation.

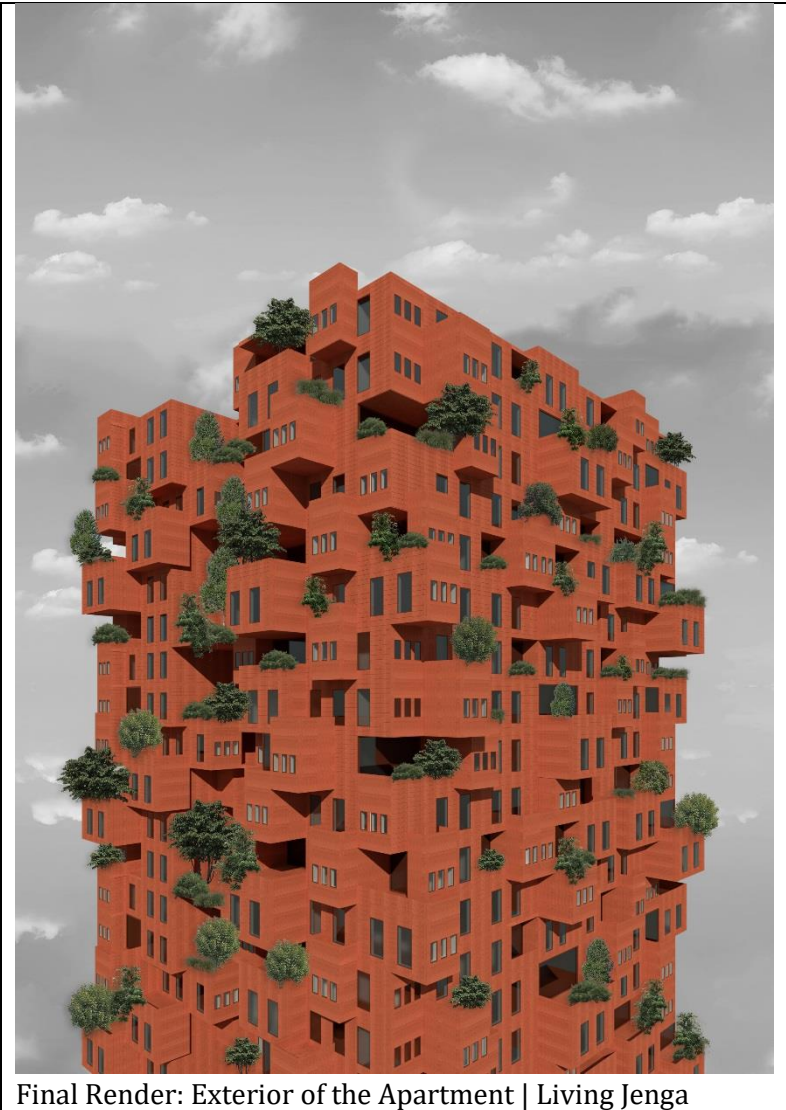
Apartment Overview

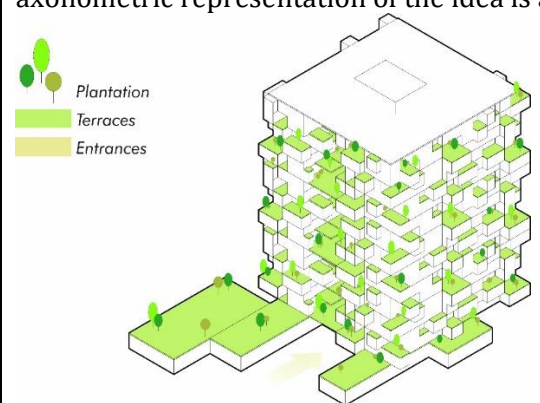


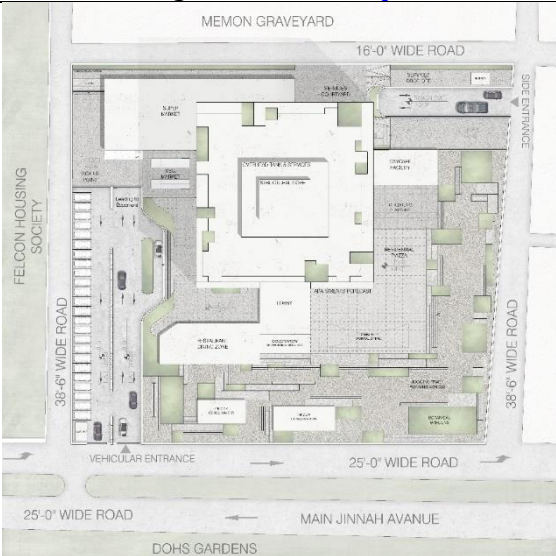
Apartment Typology

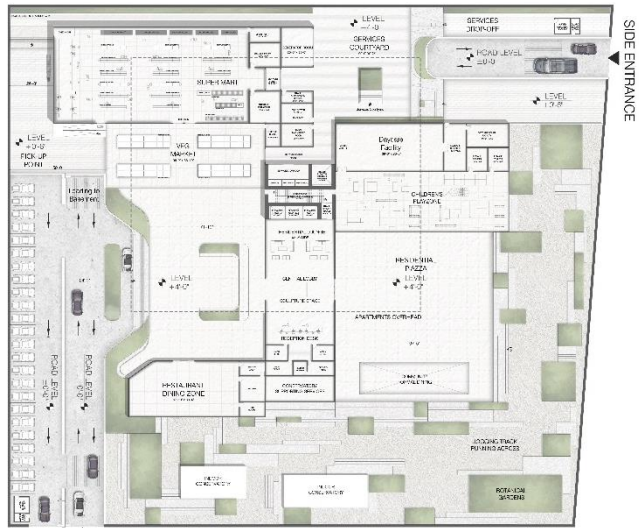


Now the final render is displayed below as a final image of exterior to be represented with material implementation as well where terracotta tiling is used that is efficient in insulation, rain water safety and also has an adequate life with the key factor that it ages very sophisticatedly.

		
4	Evidence (Theoretical Basis)	<p>Final Render: Exterior of the Apartment Living Jenga</p> <p>A number of literature references have been read thoroughly for reaching out this conclusion and each and every detail with correct bibliography has been attached in report but here I'll mention important books: Yes is more By Bjarke Ingels 2009 Theory: Residential Satisfaction By Galster, G. C., 1989</p>
5	Impact on Sustainability of Urban Regions or SDG-11 "Sustainable Cities and Communities"	<p>The apartment complex comprehensively enriches and elevates the communal and inclusivity as if provides safe urban level and Architectural space to rejuvenate and socialize as a society yet their personal space is kept sacred.</p>
6	Competitive Advantage or Unique Selling Proposition (Cost Reduction, Process improvement, Attainment of any SDG (Sustainable Development Goal), increase of market share or capturing new market or having superior performance over a competitor. In summary, any striking aspect of the project that compels the industry to invest in FYP or purchase it. Some detailed description is required in terms of how, why when what. You can select one or more from the following dropdown and delete the rest of them). Please keep relevant options, delete the rest of them, and correct the sequence	
a	Attainment of any SDG (e.g. How it is achieved and why it is necessary for the region)	SDG#03, Good Health and Well Being: Provision of facilities that cater to a healthy lifestyle are carefully planned here that are very well researched to attain

	<p>a better life index. For instance: being surrounded by greenery, having an open space in your home that looks up to sky increases security and serenity factor in people. Plus a very basic feature, all the basic human necessities and amenities are carefully placed so that people feel relaxed about their basic needs (corrected from our region and houses here)</p> <p>Also people are encouraged to have physical activity as much as they can and that includes jogging track, swimming pools other indoor games, gardening etc. promoting a healthy lifestyle.</p> <p>SDG#09, Industrial Innovation and Infrastructure The project is a structurally innovative idea and not common in Pakistan as I'm using a structural core that is load bearing and that can take up the load on upper floor alongside cantilevers, this thing allows me to alter my columnar pattern as per module adjustment which results in production of variety of apartment modules and that in turn transcends the cost up.</p> <p>SDG#12, Responsible consumption and production: The apartment complex is planned to recyclable water resource system and gray water will be used for plantation. Whereby people are going to consume their own vegetables and fruits planted in our botanical gardens. Plus the passive strategies have been implied to reduce electric consumption and the material applied will also provide adequate insulation so that lesser cooling devices will be used.</p> <p>SDG#13, Climate Action This whole initiative behind a vertical garden that grows their own vegetables, uses passive energies and recycling their waste in a circular metabolism is all pointed towards catering the issue of climate change and how as architects we can provide design solutions that take a step ahead of these.</p>
<p>b</p> <p>Any Environmental Aspect (e.g. carbon reduction, energy-efficient, etc.)</p>	<p>Carbon reduction: The project aims to develop a vertical garden within it plus a botanical garden alongside vegetable and fruit production thence the amount of greenery will be double the site already could encompass. Ref. of axonometric representation of the idea is attached below:</p> 

		<p>Energy Efficient: The project encompasses versatile amount of passive energies hence the energy efficient systems are quite well implied. Also a system of water recycling has been planned in here, which is enough for maintenance and vegetation.</p>
c	Cost Reduction of Existing Product	<ul style="list-style-type: none"> The project might not encompass any cost reduction aspects at inception, but the design solutions provided in the product are sufficient enough to make the apartment (built at cost natural cost) to be sold in expensive rate due to its versatile features. Plus the facilities provided can help in generating revenue alongside saving mandatory cost.
d	Process Improvement which Leads to Superior Product or Cost Reduction, Efficiency Improvement of the Whole Process (e.g. What is the issue is current process and what improvement you suggests)	The investment category in real estate must start trusting the designer in the process then only I believe that the design output could serve a better life quality alongside financial profits from the housing market because people are eventually buying the property why not if we make the most of it.
7	Target Market (Industries, Groups, Individuals, Families, Students, etc) Please provide some detail about the end-user of the product, process, or service	The projects caters to the investors of real estate, people buying the product and those getting jobs from the respective domain after maintenance.
8	Team Members (Names along with email address)	Soha Sohail (AR-17017) sohasohail98@gmail.com SOHAIL4008961@cloud.neduet.edu.pk mail.sohasohail@gmail.com
9	Supervisor Name (along with email address)	Internal Faculty: Rabela Junejo, Sarah Ather Khan, Fahmida Bano Shaikh Rabelajunejo@cloud.neduet.edu.pk , sarahkiran@gmail.com , shaikhfahmida@gmail.com External Advisor: Bilal Kapadia Principal Architect @ Coalesce Design Studio bilalkapadia@coalesce.pk
10	Pictures (If any)	 <p>Masterplan</p>




LEVEL: 0+00
SERVICES COURTYARD
ROAD LEVEL: 0+00
LEVEL: 1+00
LEVEL: 2+00
LEVEL: 3+00
LEVEL: 4+00
LEVEL: 5+00
LEVEL: 6+00
LEVEL: 7+00
LEVEL: 8+00
LEVEL: 9+00
LEVEL: 10+00
LEVEL: 11+00
LEVEL: 12+00
LEVEL: 13+00
LEVEL: 14+00
LEVEL: 15+00
LEVEL: 16+00
LEVEL: 17+00
LEVEL: 18+00
LEVEL: 19+00
LEVEL: 20+00
LEVEL: 21+00
LEVEL: 22+00
LEVEL: 23+00
LEVEL: 24+00
LEVEL: 25+00
LEVEL: 26+00
LEVEL: 27+00
LEVEL: 28+00
LEVEL: 29+00
LEVEL: 30+00
LEVEL: 31+00
LEVEL: 32+00
LEVEL: 33+00
LEVEL: 34+00
LEVEL: 35+00
LEVEL: 36+00
LEVEL: 37+00
LEVEL: 38+00
LEVEL: 39+00
LEVEL: 40+00
LEVEL: 41+00
LEVEL: 42+00
LEVEL: 43+00
LEVEL: 44+00
LEVEL: 45+00
LEVEL: 46+00
LEVEL: 47+00
LEVEL: 48+00
LEVEL: 49+00
LEVEL: 50+00
LEVEL: 51+00
LEVEL: 52+00
LEVEL: 53+00
LEVEL: 54+00
LEVEL: 55+00
LEVEL: 56+00
LEVEL: 57+00
LEVEL: 58+00
LEVEL: 59+00
LEVEL: 60+00
LEVEL: 61+00
LEVEL: 62+00
LEVEL: 63+00
LEVEL: 64+00
LEVEL: 65+00
LEVEL: 66+00
LEVEL: 67+00
LEVEL: 68+00
LEVEL: 69+00
LEVEL: 70+00
LEVEL: 71+00
LEVEL: 72+00
LEVEL: 73+00
LEVEL: 74+00
LEVEL: 75+00
LEVEL: 76+00
LEVEL: 77+00
LEVEL: 78+00
LEVEL: 79+00
LEVEL: 80+00
LEVEL: 81+00
LEVEL: 82+00
LEVEL: 83+00
LEVEL: 84+00
LEVEL: 85+00
LEVEL: 86+00
LEVEL: 87+00
LEVEL: 88+00
LEVEL: 89+00
LEVEL: 90+00
LEVEL: 91+00
LEVEL: 92+00
LEVEL: 93+00
LEVEL: 94+00
LEVEL: 95+00
LEVEL: 96+00
LEVEL: 97+00
LEVEL: 98+00
LEVEL: 99+00
LEVEL: 100+00

VEHICULAR ENTRANCE

SIDE ENTRANCE

Ground Floor Plan



Balcony render



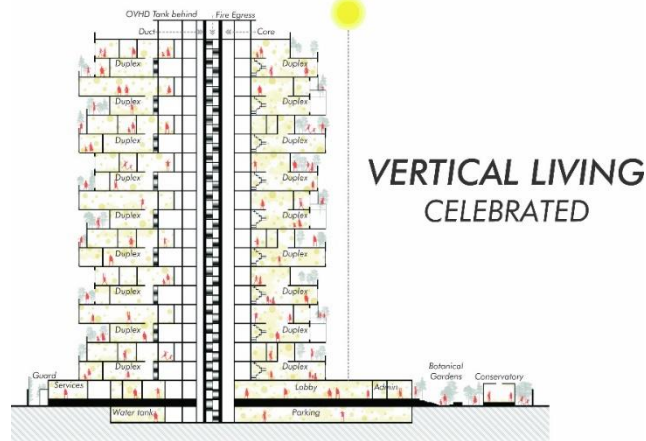
Worm eye view



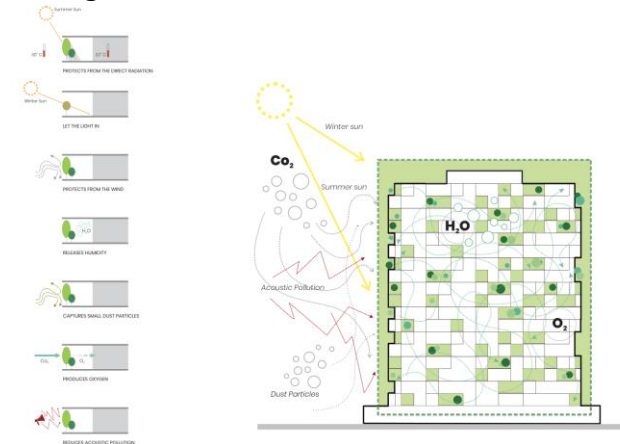
Side and front elevation



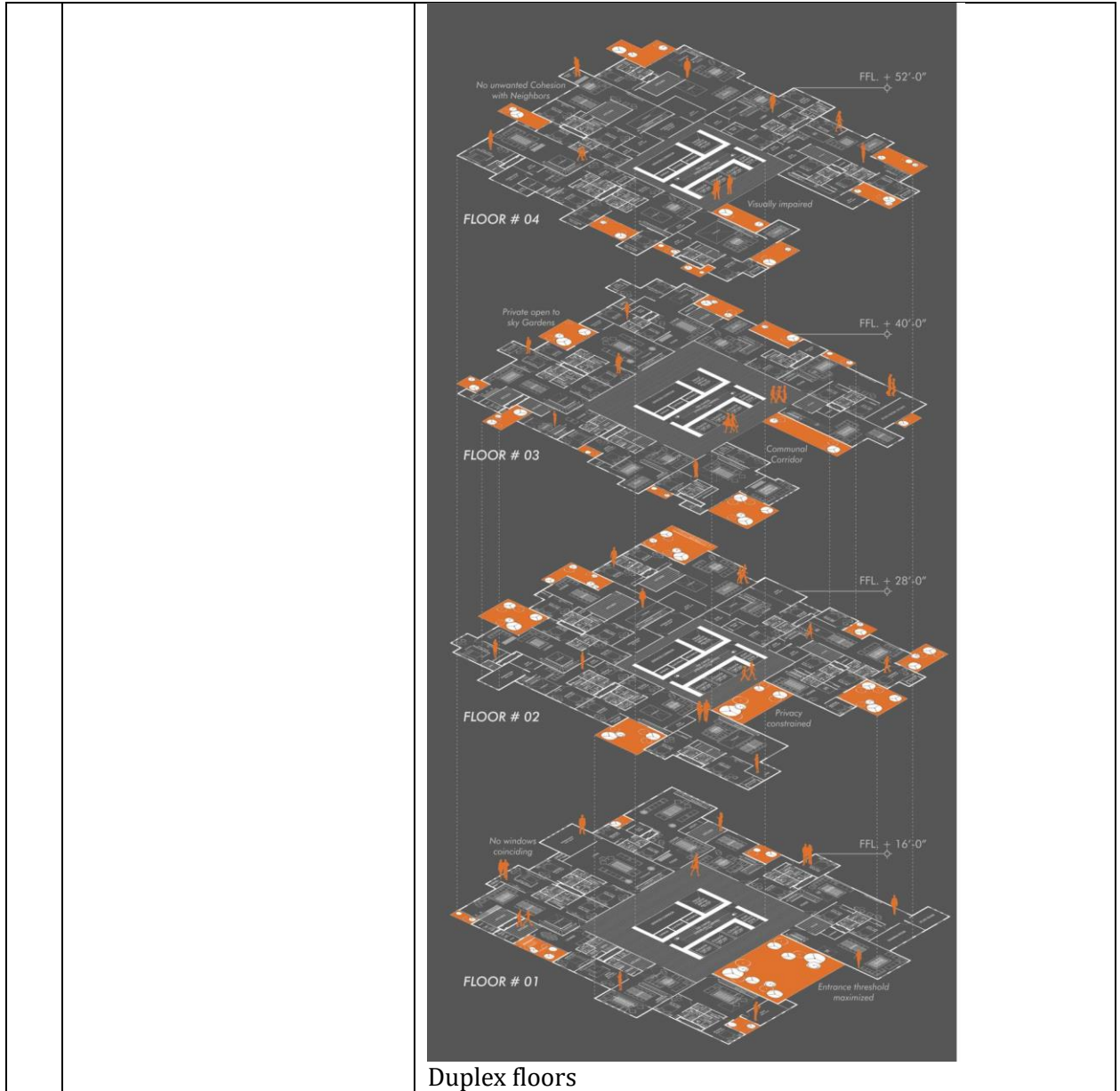
3D section elaborating 6 floor module



Zoning section



Vertical living aspect



Duplex floors