Aplikasi Tiket Booking Kapal Tomok - Ajibata

Pengembangan Aplikasi Terdistribusi

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Outline

01 Fungsi Fungsi yang akan di bangun

02 Monolith Architecture

03 Microservice Architecture

04 UI database server dan push and pull model dengan menggunakan microservice

Fungsi Fungsi yang akan di bangun

01

Fungsi Register Pengguna

1. Penumpang Mendaftarkan Akun
2. Akun pemilik kapal ditambahkan oleh admin.

02

Fungsi Login Pengguna

Pengguna dapat masuk dan mengakses fitur aplikasi

03

Fungsi Mengelola Rute

Menambahkan dan mengubah rute keberangkatan kapal

04

Fungsi Mengelola Kapal

Mengatur dan mengelola Informasi Kapal

05

Fungsi Mengelola Nahkoda

Menambahkan dan mengedit Informasi Nahkoda

06

Fungsi Mengelola Jadwal

Menambah jadwal dengan informasi rute, kapal, nahkoda, waktu keberangkatan, stok tiket, dan harga per tiket

07

Fungsi Memesan Tiket

Penumpang memesan tiket kapal sesuai jadwal yang tersedia

Monolith Architecture

- Semua bagian aplikasi digabungkan dalam satu kode dasar.
- Eksekusi aplikasi dilakukan dari satu tempat, biasanya satu server.
- Data disimpan dan diakses dari satu database tunggal.
- Mudah dikembangkan dan diuji pada tahap awal.
- Sulit untuk diskalakan dan dipelihara seiring pertumbuhan aplikasi.

Microservice Architecture

- Aplikasi dibangun sebagai serangkaian layanan kecil yang independen.
- Setiap layanan fokus pada fungsi atau tugas tertentu.
- Memungkinkan skalabilitas, fleksibilitas, dan perbaikan yang lebih mudah.
- Setiap layanan dapat dikembangkan, diuji, dan diperbarui secara terpisah.

UI database server dan push and pull model dengan menggunakan microservice

interface yang memungkinkan pengguna untuk berinteraksi dengan database. UI database menyediakan berbagai fitur, seperti penambahan, penghapusan, dan pengeditan data dalam database.

Thanks!

Alternative Resources

Alternative Resources

Vectors

- Teamwork concept for landing page
- Contact concept for landing page
- Teamwork with people at the table landing page
- Business idea concept with people
- Business woman with coffee posting a photo on internet

Resources

Vectors

- Teamwork concept for landing page
- Contact concept for landing page
- Teamwork with people at the table landing page

Photos

- Medium shot smiley business woman with post its
- Team meeting online conference call on laptop

Icons

- Icon Pack: Task and Project Management | Flat

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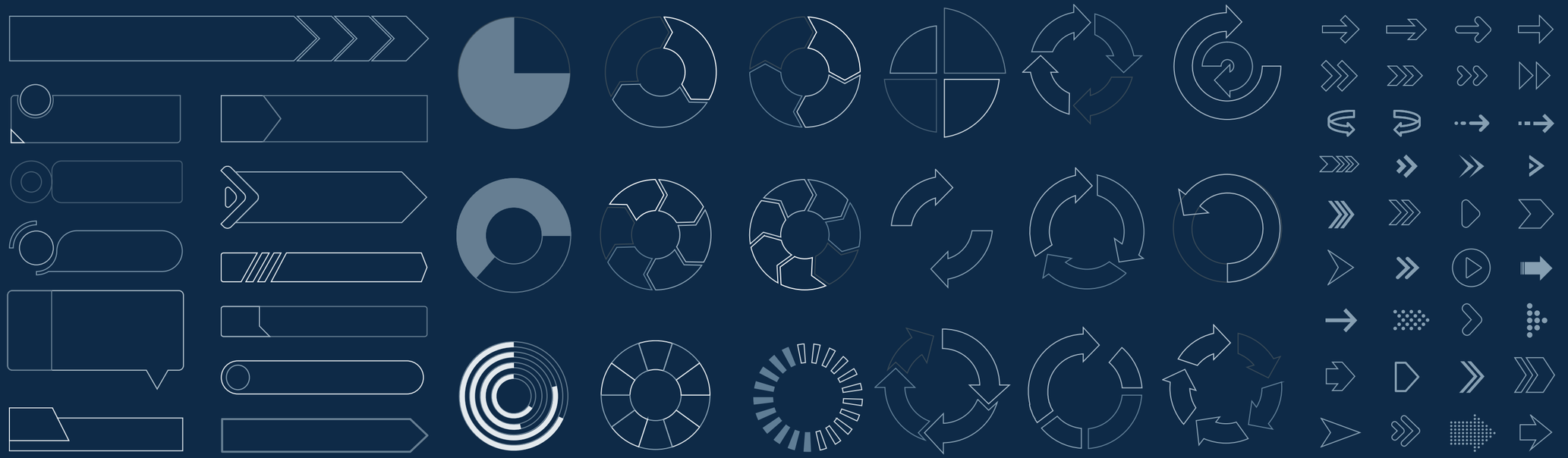

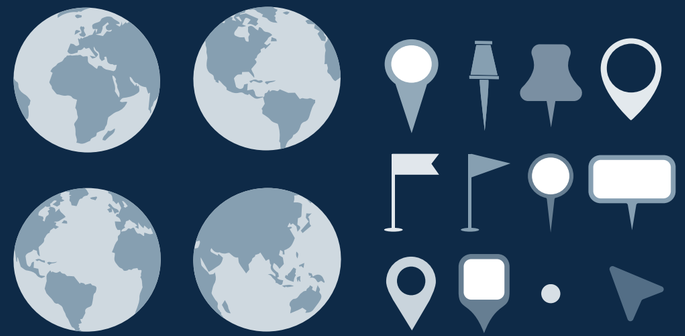

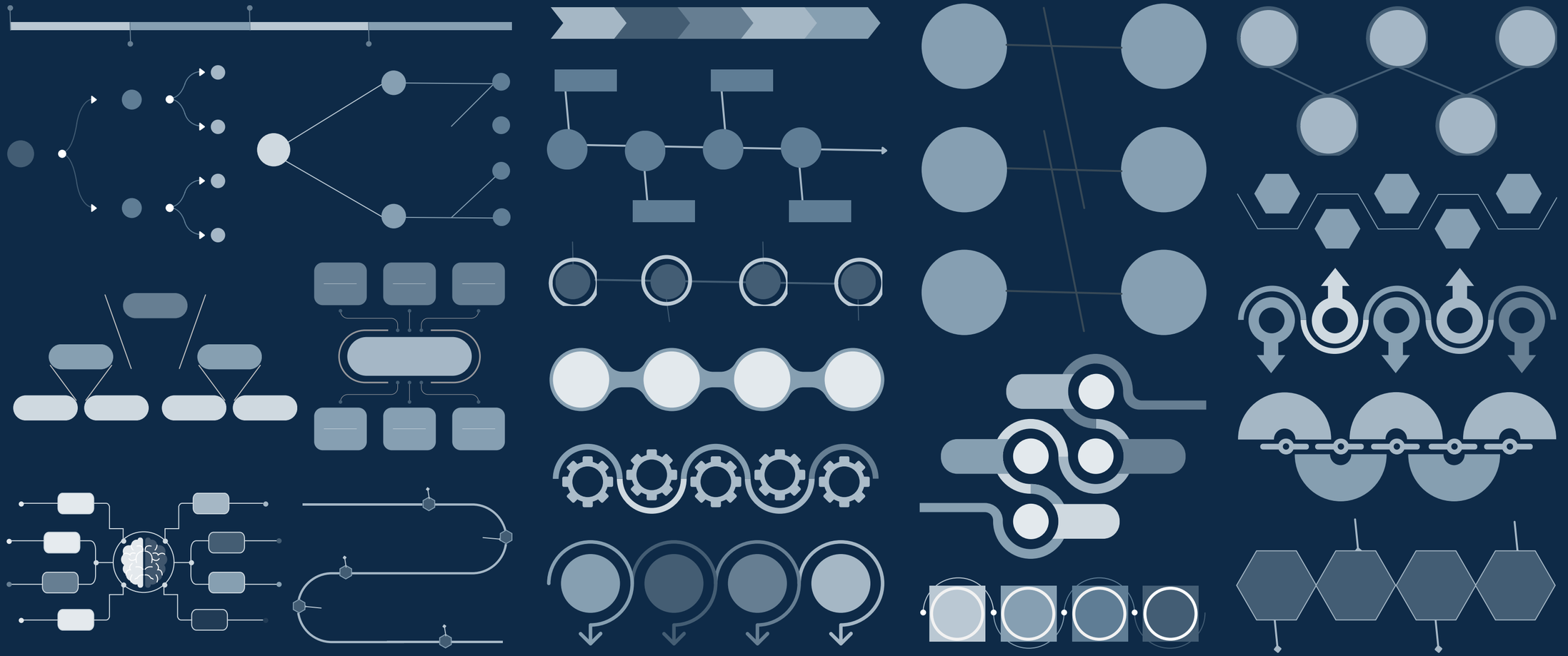

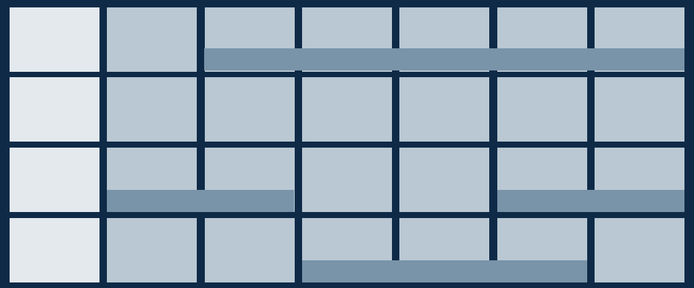

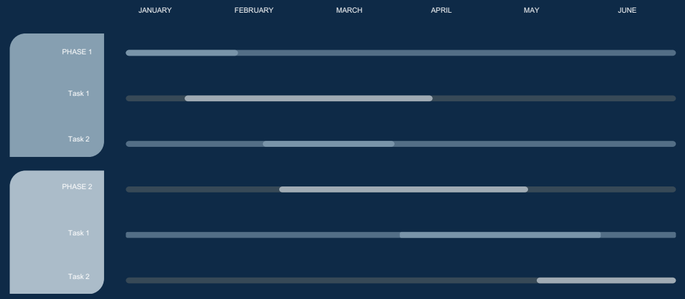
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Task 1
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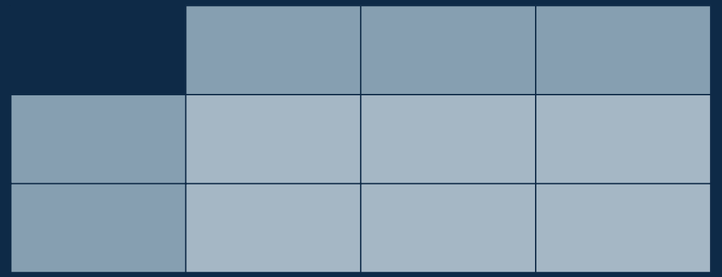
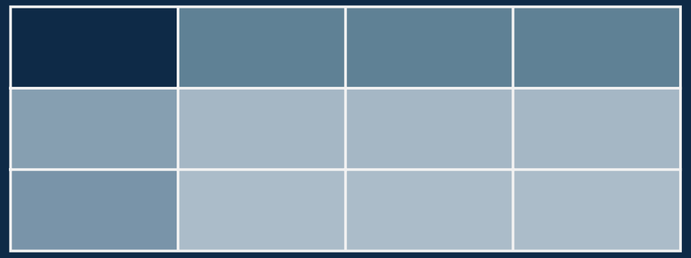
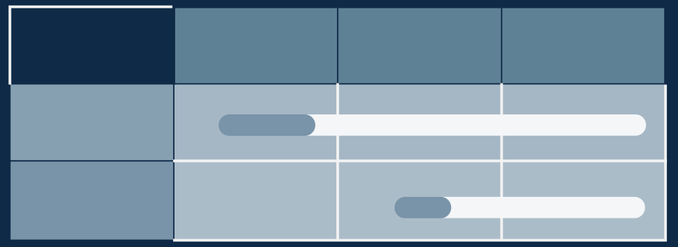
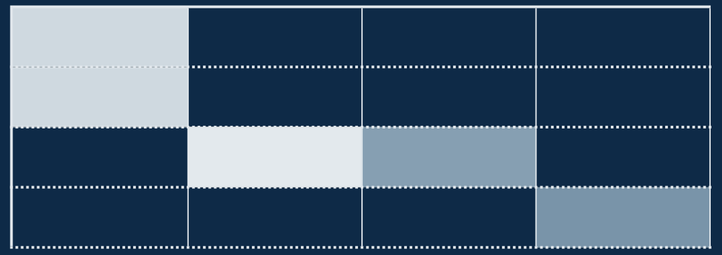
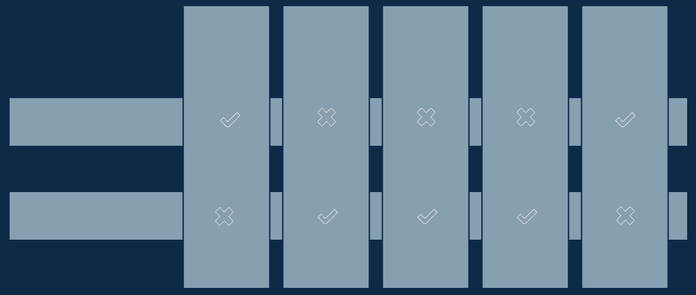
Task 2

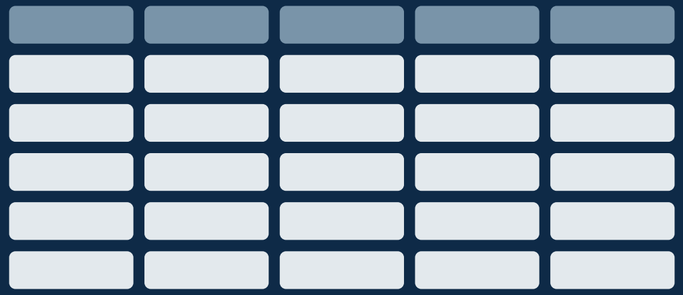


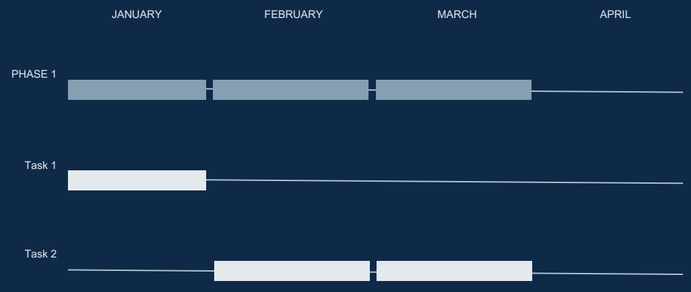








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