



TECH TEST

Reactjs

Abstract

Tech Curve AI & Innovations has created this test to analysis the level of understanding of Reactjs designer/developer in both conceptual and perceptible awareness

Naman Narayan
naman@techcurve.co



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Table of Contents

1. Introduction	2
2. Company Overview	2
Mission statement	2
Company history	2
Organizational Chart	3
Company Structure	3
3. Tech Test	4
Overview	4
Guide	4
Login Dashboard	5
Accounting Dashboard	5
Profit/Loss Dashboard	8
Revenue Dashboard	9
Expenses Dashboard	10



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

1. Introduction

Tech Curve AI & Innovations has created this test to analysis the level of understanding of Reactjs developer in both conceptual and perceptible awareness. Candidate must show their creativity and expertise in this test. Each candidate would be given 3 days to complete this test however candidates can take more than 3 days, although their chances of selection for final round would reduce. Each designer/developer must attend this test to get selected for final round of interview.

This test is divided into steps and a candidate must read all the instructions carefully. If a candidate meets an issue or requires clarification on a specific step of this test. Then he or she can simply request a clarification from Tech Curve over an email.

2. Company Overview

Tech Curve & Innovation Co., Ltd is one of the BOI (Broad of Invest of Thailand) promoted with headquarters in Bangkok, Thailand. With its parent company, Neon Infotech the company has presence in 6 different countries with 8 offices. Tech Curve & Neon Infotech has brought two different worlds together, IT & Engineering offering combined IT-Engineering solutions to whole Oil&Gas and Energy sector of Thailand. Our vision is to be one of the leading and most trusted name in providing competent and competitive Engineering IT software solutions and integration.

Mission statement

We understand the needs and requirements of our customer and deliver right solutions to resolve their needs and satisfies our customer's business needs.

Company history

Tech Curve was founded in 2017 by a computer engineer and mechanical engineer who wanted to bring two different steams, engineering & IT together. Today, Tech Curve builds not only software solutions but also infinitely scalable and seamless integration solutions to the market. Later in 2018, Tech Curve merged with Neon Infotech and gained access to US, Dubai, Korea, Myanmar, and India markets.



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

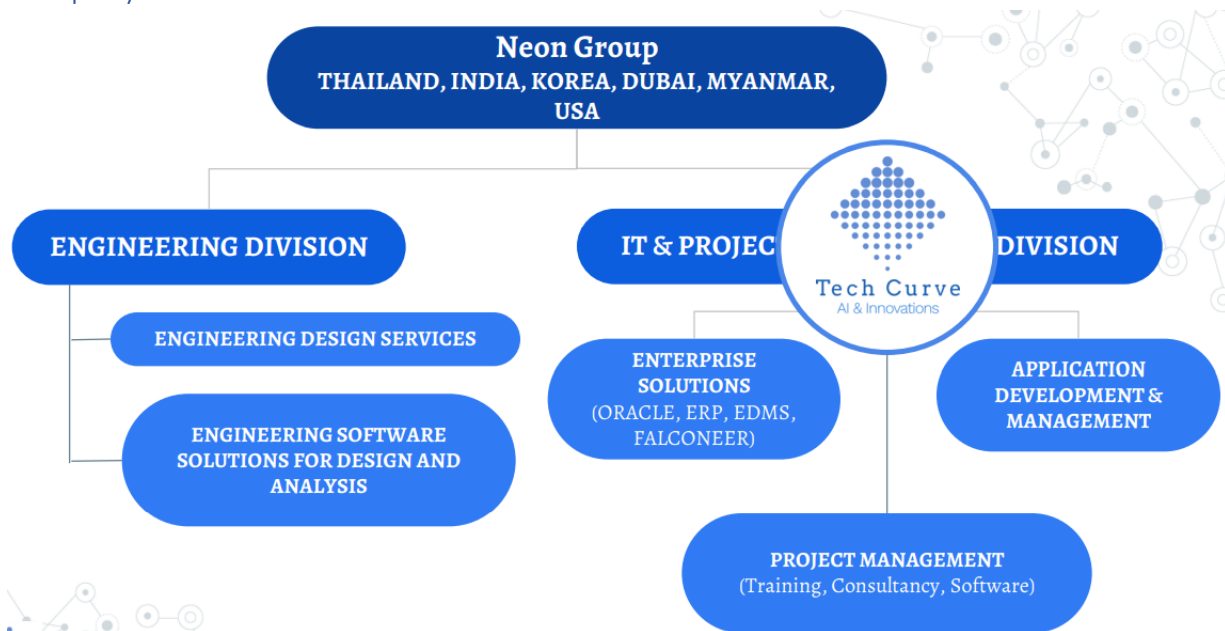
Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Organizational Chart



Company Structure





Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

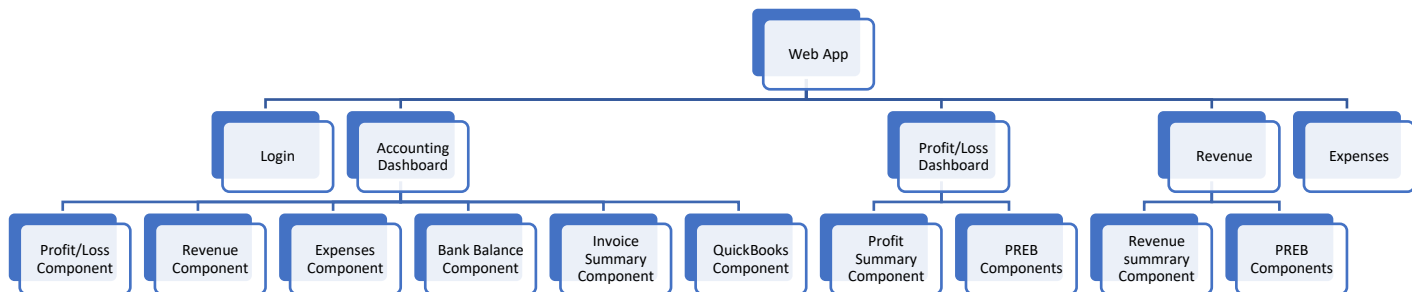
Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

3. Tech Test

Overview



***PREB Components = Profit/Loss Component, Revenue Component, Expenses Component and Bank Balance Component.**

Guide

A candidate must design following Dashboards and components to complete the first step of this tech test.



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Login Dashboard

The dashboard must have Login form, includes username and password fields. If credentials are incorrect then app shall display an alert message – “Your credentials are incorrect. Please try again!”

Bonus Points: Design and create an API (GET) for Login form in any framework of your choice. And integrate with the frontend of this project.

Accounting Dashboard

Candidates must develop/create Accounting dashboard with Following components as the attached design below.

1. Profit/Loss Component
2. Revenue Component
3. Expenses Component
4. Bank Balance Component





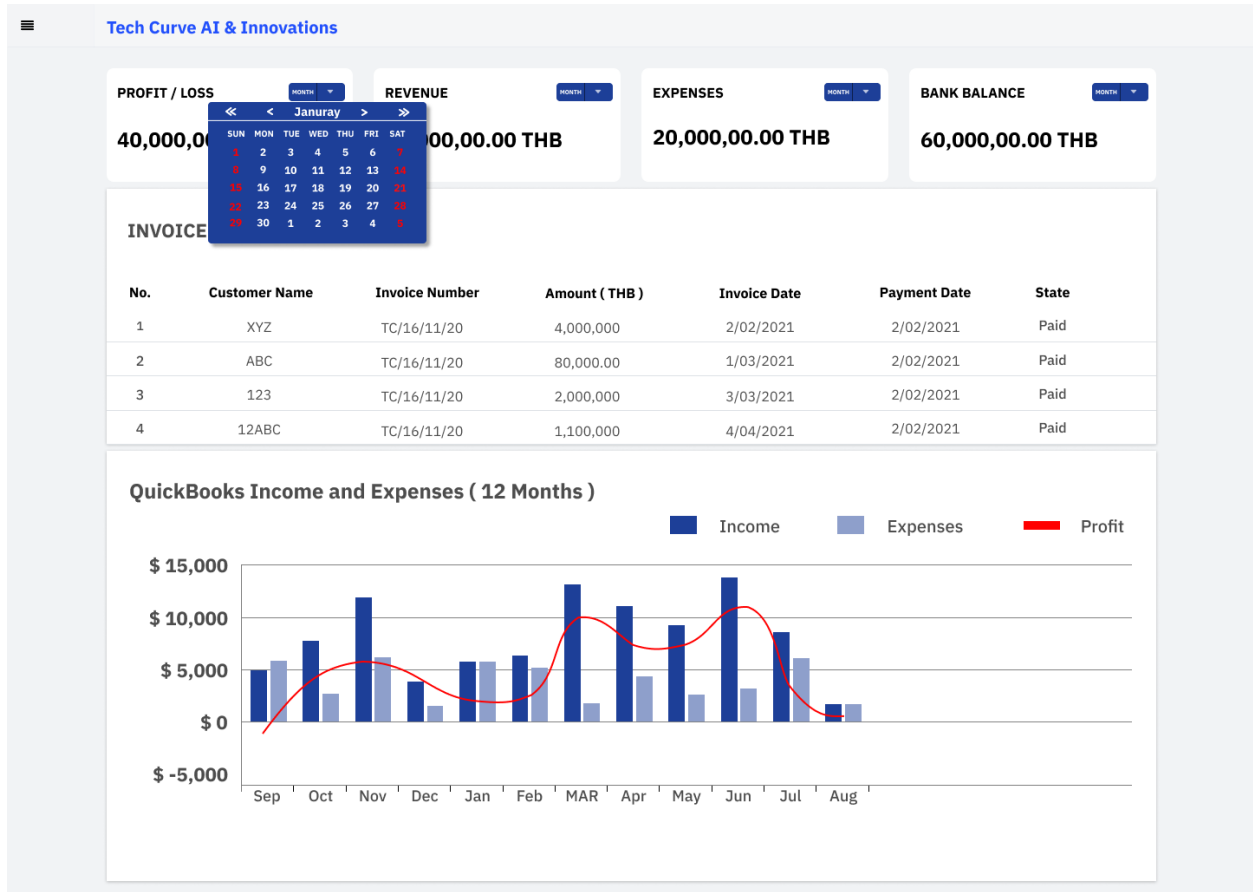
Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co Website: www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY



Bonus Points: Design and create APIs (GET) each component as mentioned above in any framework of your choice. And integrate with the frontend of this project.



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Profit/Loss Dashboard

Candidates must develop/create the Profit/Loss Dashboard with following components.

1. Profit/Loss Monthly Summary Component,
2. And reuse Profit/Loss, Revenue, Expenses and Bank Balance components in this dashboard.

Tech Curve AI & Innovations > PROFIT

PROFIT / LOSS

50,000,00.00 THB

REVENUE

60,000,00.00 THB

EXPENSES

20,000,00.00 THB

BANK BALANCE

60,000,00.00 THB

Profit /Loss Monthly Summary

Month	Revenue	Expenses	Profit
JAN	4,000,000	1,200,000	3,800,000
FEB	5,000,000	2,000,000	3,000,000
MAR	5,000,000	1,000,000	4,000,000
APR	6,000,000	1,000,000	5,000,000
MAY	7,000,000	2,000,000	5,000,000
JUN	4,000,000	1,000,000	3,000,000
JUL	6,000,000	3,000,000	3,000,000
AUG	7,000,000	1,000,000	6,000,000
SEP	8,000,000	2,000,000	6,000,000
OCT	9,000,000	2,000,000	7,000,000
NOV	10,000,000	2,000,000	8,000,000
DEC	7,000,000	2,000,000	5,000,000

Bonus Points: Design and create an API (GET) for Profit/Loss Monthly Summary component in any framework of your choice.



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

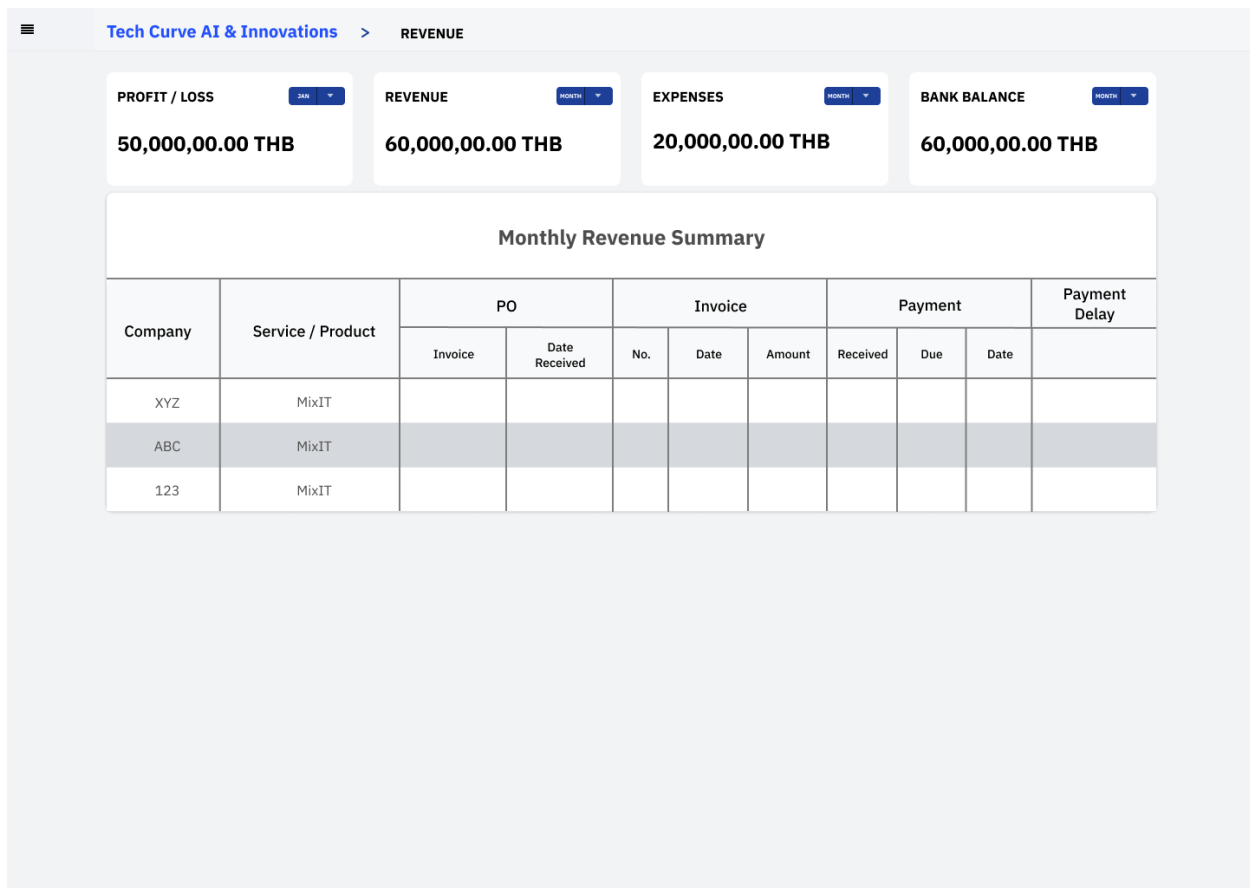
Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Revenue Dashboard

Candidate must develop/create the Revenue dashboard and a additional component –Monthly Revenue Summary. Please see the below dashboard snapshot for your reference.



Bonus Points: Design and create API (GET) for Monthly Revenue Summary component in any framework of your choice.



Tech Curve AI & Innovations Co., Ltd

75/60 Sukhumvit Soi 19, Khlong Toei Nua, Wattana,
Bangkok - 10110. Thailand

Email: info@techcurve.co **Website:** www.techcurve.co

Tel: (+66)994200465, (+66)814046400

BOI PROMOTED COMPANY

Expenses Dashboard

Candidate must develop/create the Expenses dashboard with additional components –Monthly Expenses Summary. Please see the below dashboard snapshot for your reference.

Tech Curve AI & Innovations > EXPENSES

PROFIT / LOSS
50,000,00.00 THB

REVENUE
60,000,00.00 THB

EXPENSES
20,000,00.00 THB

BANK BALANCE
60,000,00.00 THB

Monthly Expenses Summary

Title	BOI Salary	Non-BOI Salaray	Total
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Bonus Points: Design and create an API (GET) for Monthly Expenses Summary component in any framework of your choice.

We wish you all the best for this Test.
