System Analysis and Design – IS2106

TaxFix

(Seamless Tax Management System)

System Design and System Analysis

April 24, 2024

Team: **CodeHub – X**

(Group – 45)

Department of Computing and Information System

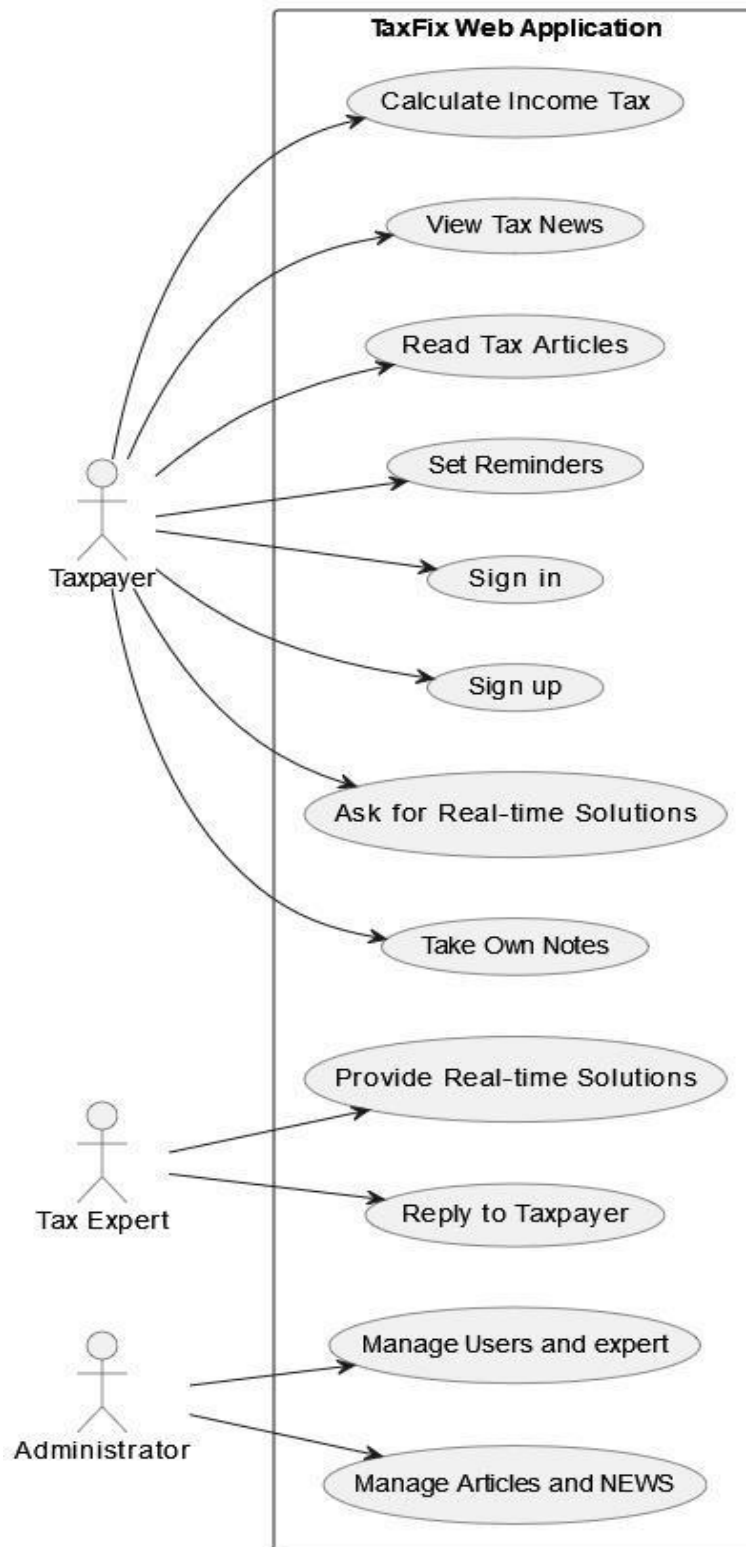Faculty of Computing

Sabaragamuwa University of Sri Lanka

Contents

Introduction

Our TaxFix system is a web-based platform designed to provide taxpayers with a wide array of tools and resources to facilitate their tax-related activities. From accessing the latest tax news and articles to calculating tax liabilities, receiving reminders for tax payments, and engaging with tax experts, TaxFix offers user-friendly and integrated solutions to meet the diverse needs of taxpayers. TaxFix strives to empower taxpayers with the knowledge and tools necessary to navigate the complexities of taxation with confidence and ease.
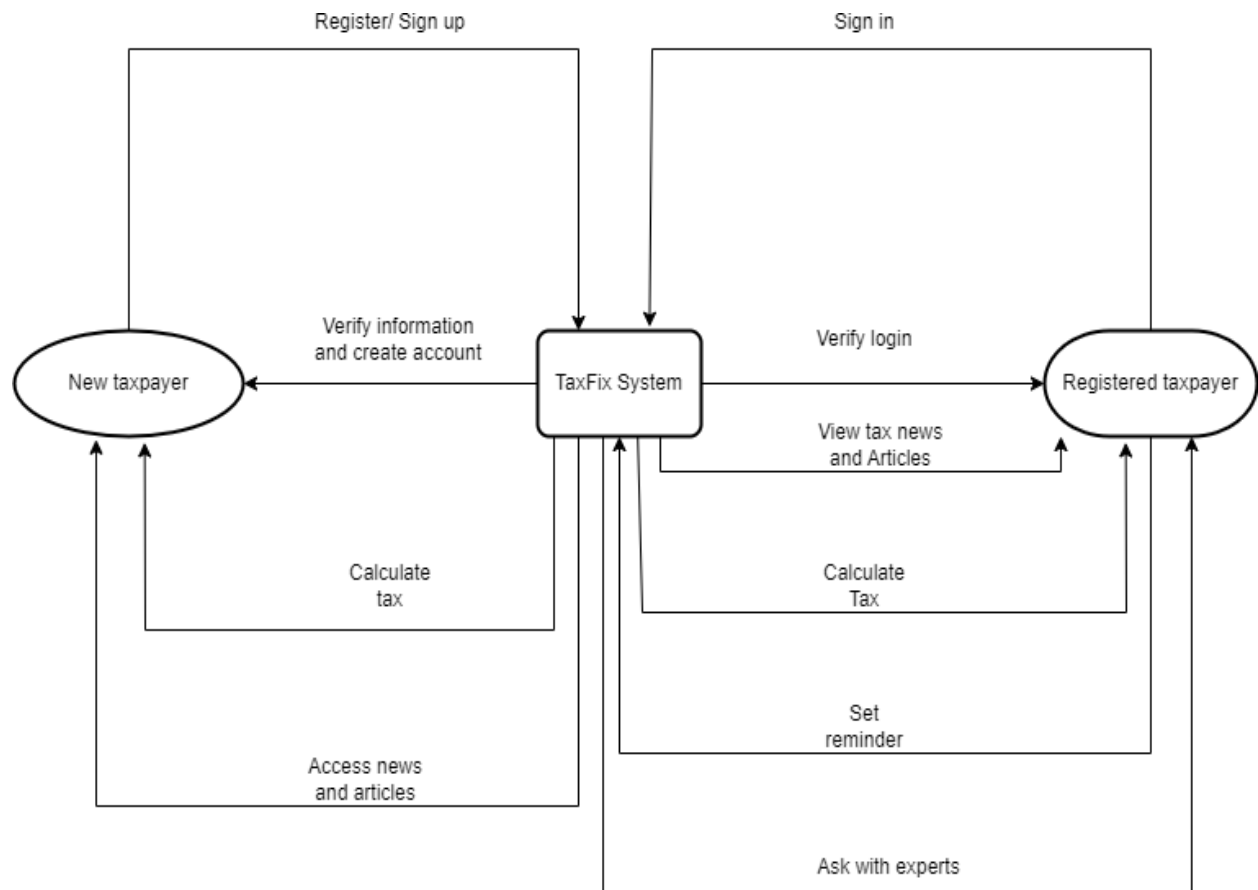
Use case diagrams

TaxFix Web Application

- Calculate Income Tax
- View Tax News
- Read Tax Articles
- Set Reminders
- Sign in
- Sign up
- Ask for Real-time Solutions
- Take Own Notes
- Provide Real-time Solutions
- Reply to Taxpayer
- Manage Users and expert
- Manage Articles and NEWS

Taxpayer

Tax Expert

Administrator

In this diagram:

- The Taxpayer can perform actions such as calculating income tax, viewing tax news, reading tax articles, creating account, setting reminders, and asking for real-time solutions.
- The Tax Expert can provide real-time solutions to the taxpayer's queries, as well as read tax articles and reply to taxpayers.
- The Administrator can manage users (e.g., user registration, account management) and articles (e.g., publishing, editing, deleting).

Data Flow Diagram (DFD 0)

ER Diagram