Incometry Implementation Progress Tracker

Project Overview

- **Platform**: Canadian Financial Planning (TFSA focus)
- **Tech Stack**: React + Vite + Tailwind + Recharts + Firebase
- **Hosting**: React frontend on Hostinger Business
- Status: Ready to implement Firebase backend

Comr	leted
COIIIP	ictcu

☐ Basic React app structure
☐ DRIP calculator functionality
☐ Portfolio tracking (localStorage)
☐ Tooltips system for financial terms
Responsive design
Local development environment

Current Phase: Firebase Implementation

Day 1: Firebase Setup

Create Firebase project
Install Firebase dependencies
Configure Firebase in React app
Set up authentication rules

Day 2: Authentication System

☐ Create login/register components
$\hfill \square$ Replace localStorage auth with Firebase Auth
☐ Test user registration/login
Add password reset functionality

Day 3: Database Migration

Set up Firestore database
Create portfolio data structure
☐ Migrate localStorage portfolios to Firestore
☐ Test cross-device sync

Day 4: Real-time Features

- ☐ Implement real-time portfolio updates
- Add loading states and error handling
- Test concurrent user sessions
- Verify data persistence

Day 5: Deployment & Testing

- Deploy updated React app to Hostinger
- Configure Firebase hosting rules
- Test production authentication
- Verify cross-device functionality

Code Snippets to Remember

Firebase Config Template

```
javascript
// src/config/firebase.js
import { initializeApp } from 'firebase/app';
import { getAuth } from 'firebase/auth';
import { getFirestore } from 'firebase/firestore';

const firebaseConfig = {
    // Your config here
};

const app = initializeApp(firebaseConfig);
export const auth = getAuth(app);
export const db = getFirestore(app);
```

Portfolio Service Pattern

```
javascript
// src/services/portfolioService.js
import { collection, addDoc, getDocs, onSnapshot } from 'firebase/firestore';
import { db } from '../config/firebase';

export class PortfolioService {
    static async createPortfolio(userId, portfolioData) {
        // Implementation
    }

    static subscribeToPortfolios(userId, callback) {
        // Real-time subscription
    }
}
```

Environment Variables Needed

```
bash

VITE_FIREBASE_API_KEY=your-api-key

VITE_FIREBASE_AUTH_DOMAIN=incometry-app.firebaseapp.com

VITE_FIREBASE_PROJECT_ID=incometry-app

VITE_FIREBASE_STORAGE_BUCKET=incometry-app.appspot.com

VITE_FIREBASE_MESSAGING_SENDER_ID=123456789

VITE_FIREBASE_APP_ID=your-app-id
```

Quick Context for New Chats

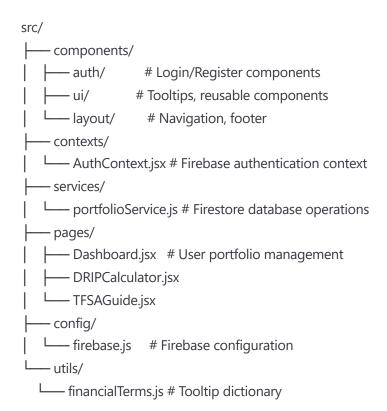
When starting a new chat, paste this:

"I'm building Incometry, a Canadian financial planning platform. Current status: React app working locally with localStorage. Need to implement Firebase for cross-device user accounts and portfolio sync. I'm a beginner but learning step-by-step. Ready to continue from [CURRENT PHASE] in the tracker."

Key Decisions Made

- Vising Firebase for backend (chosen over Python for faster implementation)
- Keeping React frontend on Hostinger Business
- Variable Focus on TFSA investment strategies for Canadian market
- Tooltips system for financial education
- Z DRIP calculator as core feature

File Structure



Next Steps Summary

- 1. Set up Firebase project and authentication
- 2. Replace localStorage with Firestore database
- 3. Test cross-device synchronization
- 4. Deploy to production on Hostinger

Update Log

- **Session 1**: Planned Firebase implementation approach
- **Session 2**: [Update with progress]
- **Session 3**: [Update with progress]

Last updated: [Current Date]