Funds will be in an array that is part of each account, index 0-9 will correlate with a fund type, and intomaunts at each index will represent amount in the occount [10,000,500,350,0,9,000,0,0,100,0,0] Each Fund will have a vector of transactions, this will be used to keep a history of all transactions for each fund. Use a vector so that it can grow dynamically Vector (Transaction) [+1,+2,+3,+4,+5] We can then have another vector that holds pointers to the different fund vectors, allowing us to access and print all transactions for the account (not 100% sure on this) Program Flow The driver function will read accounts from a file and insert into the BST. Then will read transactions from a file and fill the queue. The Bank class will then process the transactions, and once that is complete the updated bank will be displayed Bank The bank handles the transactions, and stores all of the accts

with the BST. Each transaction will be processed, and the appropriate

action will take place, printing errors when neacessary

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BinarySearchTree	Account
bool Insert (Account *)	Account (int ID, string first, string last
bool Retrieve (constant)	bool Deposit (int omt, int fund)
Account * &) const	bool withdraw lint amt, int fund)
world Display () const	uoid Print Aut Hist () const:
uoid Empty()	inat (SqetIDX) const;
(bool is Empty () const	string getName() const
Street Nocle	int get Balance();
(5)	int ID
Account * p Acct	string fName
Node * Right	String Name
Node * left	vector atransaction > history
int key;	Fund [10] funds
3;	
Nale* root	
<u> </u>	
	Fund
	Fund (string Name)
	bool Deposit(int amt)
	bool Withdraw (int amt)
	bool record Transaction (Transaction trans)
Bank	void printfund Hist ()
bool withdrawlintact, intomt, int	
bool deposit lint occt, intomt, int	
bool transfer lint occt 1, int occt 2, int om	
fundl, int fund 2)	luector ctransaction > history
uoid print Accts () const;	MI
bool Open Acet (String & Name, String	Ivone,
(OI thi	
BinosyseoschTree Accounts	
Account findAccount();	Anadamental automosis entre en en entre entre en entre
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