



1 notification

2 banking

```
func StartServer(port int) error  
func SetupRoutes(router *mux.Router)  
func AuthMiddleware(next http.Handler) http.Handler
```

uses

```
func NewHandler(schema *graphql.Schema) *Handler  
func ServeHTTP(w http.ResponseWriter, r *http.Request)  
func ExecuteQuery(query string, variables map[string]interface{}) *Result
```

uses

```
func BuildSchema() (*graphql.Schema, error)  
func RegisterTypes(schema *graphql.Schema)  
func RegisterQueries(schema *graphql.Schema)  
func RegisterMutations(schema *graphql.Schema)
```

references

```
func AccountResolver(p graphql.ResolveParams) (interface{}, error)  
func TransactionResolver(p graphql.ResolveParams) (interface{}, error)  
func UserResolver(p graphql.ResolveParams) (interface{}, error)
```

calls

```
func NewAccountClient(baseURL string) *AccountClient  
func NewTransactionClient(baseURL string) *TransactionClient  
func (c *AccountClient) GetAccount(id string) (*Account, error)  
func (c *TransactionClient) ListTransactions(accountID string) ([]*Transaction, error)
```

```
func NewNotificationManager(config *Config) *NotificationManager
func (m *NotificationManager) SendNotification(userID string, message *Message) error
func (m *NotificationManager) SendBulkNotifications(userIDs []string, message *Message) []error
```

uses

```
func NewChannelRouter(channels []Channel) *ChannelRouter
func (r *ChannelRouter) RouteNotification(userID string, message *Message) (Channel, error)
func (r *ChannelRouter) GetUserPreferences(userID string) (*UserPreferences, error)
```

routes to

```
func NewEmailChannel(smtpConfig *SMTPConfig) *EmailChannel
func (c *EmailChannel) Send(userID string, message *Message) error
func (c *EmailChannel) FormatMessage(message *Message) (string, error)
```

routes to

```
func NewSMSChannel(twilioConfig *TwilioConfig) *SMSChannel
func (c *SMSChannel) Send(userID string, message *Message) error
func (c *SMSChannel) FormatMessage(message *Message) (string, error)
```

routes to

```
func NewPushChannel(fcmConfig *FCMConfig) *PushChannel
func (c *PushChannel) Send(userID string, message *Message) error
func (c *PushChannel) FormatMessage(message *Message) (map[string]interface{}, error)
```

renders

```
func NewTemplateEngine(templateDir string) *TemplateEngine
func (e *TemplateEngine) RenderTemplate(templateName string, data map[string]interface{}) (string, error)
func (e *TemplateEngine) RegisterHelper(name string, helper interface{}) error
```

renders