Wirtualny Dziekanat

v1.0.0

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Chapter 1

Wirtualny Dziekanat

1.1 Opis projektu

Wirtualny Dziekanat to aplikacja mobilna stworzona w technologii Flutter, mająca na celu ułatwienie studentom oraz pracownikom uczelni dostępu do kluczowych funkcji administracyjnych i informacyjnych związanych z edukacją. Aplikacja zastępuje tradycyjne interakcje z dziekanatem, umożliwiając szybki dostęp do ocen, planu zajęć, harmonogramu egzaminów, e-dokumentów oraz ułatwiając komunikację z administracją uczelni.

1.2 Funkcje

- **Logowanie i autoryzacja**: Logowanie za pomocą uczelnianego adresu e-mail, hasła i odcisku palca.

- **Podgląd ocen i zaliczeń**: Możliwość przeglądania ocen z egzaminów, kolokwiów oraz innych zaliczeń.

- **Plan zajęć**: Interaktywny kalendarz z bieżącym planem zajęć.

- **Harmonogram egzaminów**: Informacje o nadchodzących egzaminach i sesjach poprawkowych.

- **Powiadomienia push**: Przypomnienia o zbliżających się egzaminach, zajęciach oraz ważnych wydarzeniach.

- **Tryb offline**: Dostęp do zapisanych wcześniej danych bez połączenia z internetem.

1.3 Technologie

- **Flutter**: Framework do tworzenia aplikacji wieloplatformowych.

- **Firebase**: Backend aplikacji, zapewniający autoryzację, bazę danych oraz powiadomienia push.

- **Provider**: Zarządzanie stanem aplikacji.

- **Doxygen**: Generowanie dokumentacji technicznej.

1.4   Instalacja

1. Sklonuj repozytorium:
   `git clone https://github.com/Me-Phew/wirtualny-dziekanat-mobile`

2. Przejdź do katalogu projektu:
   `cd wirtualny-dziekanat-mobile`

3. Zainstaluj zależności:
   `flutter pub get`

4. Wygeneruj języki:
   `flutter gen-l10n`

5. Uruchom aplikację:
   `flutter run`

1.5   Licencja

Ten projekt jest licencjonowany na warunkach licencji MIT. Zobacz plik **LICENSE** aby uzyskać więcej informacji.

1.6   Bezpieczeństwo

- **Szyfrowanie**: Wszystkie dane są szyfrowane podczas przesyłania i przechowywania.

- **Prywatność**: Twoje dane są bezpieczne i nie są udostępniane osobom trzecim.

1.7   Kontakt

Jeśli masz pytania lub sugestie, skontaktuj się z nami.

1.8   Autorzy

- Marcin Dudek

- Mateusz Basiaga

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 3

File Index

3.1 File List

Here is a list of all files with brief descriptions:

Chapter 4

Class Documentation

4.1 _$Announcement Class Reference

Private Member Functions

- const factory Announcement ({ @JsonKey(name:"id") required int id, @JsonKey(name:"isBroadcast") required bool isBroadcast, @JsonKey(name:"subject") required String subject, @JsonKey(name:"content_↩ html") required String contentHtml, @JsonKey(name:"priority") required String priority, @JsonKey(name↩ :"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory Announcement fromJson (Map< String, dynamic > json)

4.1.1 Member Function Documentation

4.1.1.1 Announcement()

```
const factory _$Announcement::Announcement (
          { @JsonKey(name:"id") required int id, @JsonKey(name:"isBroadcast") required bool
isBroadcast, @JsonKey(name:"subject") required String subject, @JsonKey(name:"content_html")
required String contentHtml, @JsonKey(name:"priority") required String priority, @JsonKey(name↩
:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime created↩
At, } )  [private]
```

4.1.1.2 fromJson()

```
factory Announcement _$Announcement::fromJson (
          Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/announcemnet/announcement.dart

4.2 _$AnnouncementsResponse Class Reference

Private Member Functions

- const factory AnnouncementsResponse ({ @JsonKey(name:"docs") required List< Announcement > docs, @JsonKey(name:"hasNextPage") required bool? hasNextPage, @JsonKey(name:"hasPrevPage") required bool? hasPrevPage, @JsonKey(name:"limit") required int? limit, @JsonKey(name:"nextPage") required int? nextPage, @JsonKey(name:"page") required int? page, @JsonKey(name:"pagingCounter") required int? pagingCounter, @JsonKey(name:"prevPage") required int? prevPage, @JsonKey(name:"totalDocs") required int? totalDocs, @JsonKey(name:"totalPages") required int? totalPages, })
- factory AnnouncementsResponse fromJson (Map< String, dynamic > json)

4.2.1 Member Function Documentation

4.2.1.1 AnnouncementsResponse()

```
const factory _$AnnouncementsResponse::AnnouncementsResponse (
            { @JsonKey(name:"docs") required List< Announcement > docs, @JsonKey(name:"has←
NextPage") required bool? hasNextPage, @JsonKey(name:"hasPrevPage") required bool? hasPrev←
Page, @JsonKey(name:"limit") required int? limit, @JsonKey(name:"nextPage") required int?
nextPage, @JsonKey(name:"page") required int? page, @JsonKey(name:"pagingCounter") required
int? pagingCounter, @JsonKey(name:"prevPage") required int? prevPage, @JsonKey(name:"total←
Docs") required int? totalDocs, @JsonKey(name:"totalPages") required int? totalPages, } )
[private]
```

4.2.1.2 fromJson()

```
factory AnnouncementsResponse _$AnnouncementsResponse::fromJson (
            Map< String, dynamic > json) [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/responses/announcements_response/announcements_response.dart

4.3 _$Classroom Class Reference

Private Member Functions

- const factory Classroom ({ @JsonKey(name:"id") required int id, @JsonKey(name:"faculty") required dynamic faculty, @JsonKey(name:"floorNumber") required int floorNumber, @JsonKey(name:"roomNumber") required int roomNumber, @JsonKey(name:"title") required String title, @JsonKey(name:"updatedAt") required Date← Time updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory Classroom fromJson (Map< String, dynamic > json)

4.3.1 Member Function Documentation

4.3.1.1 Classroom()

```
const factory _$Classroom::Classroom (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"faculty") required dynamic
faculty, @JsonKey(name:"floorNumber") required int floorNumber, @JsonKey(name:"roomNumber")
required int roomNumber, @JsonKey(name:"title") required String title, @JsonKey(name:"updated←
At") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, } )
[private]
```

4.3.1.2 fromJson()

```
factory Classroom _$Classroom::fromJson (
            Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/classroom/classroom.dart

4.4 _$CourseOfStudy Class Reference

Private Member Functions

- const factory CourseOfStudy ({ @JsonKey(name:"id") required int id, @JsonKey(name:"fieldOfStudy") required String fieldOfStudy, @JsonKey(name:"faculty") required Faculty faculty, @JsonKey(name←:"schedule") required Schedule schedule, @JsonKey(name:"courseType") required String courseType, @JsonKey(name:"levelOfStudy") required String levelOfStudy, @JsonKey(name:"obtainedTitle") required String obtainedTitle, @JsonKey(name:"numberOfSemesters") required int numberOfSemesters, @Json←Key(name:"currentSemester") required int currentSemester, @JsonKey(name:"startDate") required Date←Time startDate, @JsonKey(name:"endDate") required DateTime endDate, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory CourseOfStudy fromJson (Map< String, dynamic > json)

4.4.1 Member Function Documentation

4.4.1.1 CourseOfStudy()

```
const factory _$CourseOfStudy::CourseOfStudy (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"fieldOfStudy") required
String fieldOfStudy, @JsonKey(name:"faculty") required Faculty faculty, @JsonKey(name:"schedule")
required Schedule schedule, @JsonKey(name:"courseType") required String courseType, @Json←
Key(name:"levelOfStudy") required String levelOfStudy, @JsonKey(name:"obtainedTitle") required
String obtainedTitle, @JsonKey(name:"numberOfSemesters") required int numberOfSemesters, @Json←
Key(name:"currentSemester") required int currentSemester, @JsonKey(name:"startDate") required
DateTime startDate, @JsonKey(name:"endDate") required DateTime endDate, @JsonKey(name:"updated←
At") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, } )
[private]
```

4.4.1.2 fromJson()

```
factory CourseOfStudy _$CourseOfStudy::fromJson (
            Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/course_of_study/course_of_study.dart

4.5 _$ErrorsResponse Class Reference

Private Member Functions

- const factory ErrorsResponse ({ @JsonKey(name:"errors") required List< Error > errors, })
- factory ErrorsResponse fromJson (Map< String, dynamic > json)

4.5.1 Member Function Documentation

4.5.1.1 ErrorsResponse()

```
const factory _$ErrorsResponse::ErrorsResponse (
            { @JsonKey(name:"errors") required List< Error > errors, } )  [private]
```

4.5.1.2 fromJson()

```
factory ErrorsResponse _$ErrorsResponse::fromJson (
            Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/responses/errors_response/errors_response.dart

4.6 _$Faculty Class Reference

Private Member Functions

- const factory Faculty ({ @JsonKey(name:"id") required int id, @JsonKey(name:"name") required String name, @JsonKey(name:"classrooms") required List< Classroom > classrooms, @JsonKey(name:"coursesOf↩ Study") required List< CourseOfStudy > coursesOfStudy, @JsonKey(name:"address") required Faculty↩ Address address, @JsonKey(name:"contact") required Contact contact, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory Faculty fromJson (Map< String, dynamic > json)

4.6.1 Member Function Documentation

4.6.1.1 Faculty()

```
const factory _$Faculty::Faculty (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"name") required String
name, @JsonKey(name:"classrooms") required List< Classroom > classrooms, @JsonKey(name:"courses↩
OfStudy") required List< CourseOfStudy > coursesOfStudy, @JsonKey(name:"address") required
FacultyAddress address, @JsonKey(name:"contact") required Contact contact, @JsonKey(name↩
:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime created↩
At, } )  [private]
```

4.6.1.2 fromJson()

```
factory Faculty _$Faculty::fromJson (
            Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/faculty/faculty.dart

4.7 _$FacultyAddress Class Reference

Private Member Functions

- const factory FacultyAddress ({ @JsonKey(name:"country") required String country, @JsonKey(name:"zip↩
Code") required String zipCode, @JsonKey(name:"city") required String city, @JsonKey(name:"street") re-
quired String street, @JsonKey(name:"buildingNumber") required String buildingNumber, })
- factory FacultyAddress fromJson (Map< String, dynamic > json)

4.7.1 Member Function Documentation

4.7.1.1 FacultyAddress()

```
const factory _$FacultyAddress::FacultyAddress (
            { @JsonKey(name:"country") required String country, @JsonKey(name:"zipCode")
required String zipCode, @JsonKey(name:"city") required String city, @JsonKey(name:"street")
required String street, @JsonKey(name:"buildingNumber") required String buildingNumber, } )
[private]
```

4.7.1.2 fromJson()

```
factory FacultyAddress _$FacultyAddress::fromJson (
            Map< String, dynamic > json)  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/faculty_address/faculty_address.dart

4.8 _$Lecture Class Reference

Private Member Functions

- const factory Lecture ({ @JsonKey(name:"id") required String id, @JsonKey(name:"name") required String name, @JsonKey(name:"lecturer") required Lecturer lecturer, @JsonKey(name:"form") required String form, @JsonKey(name:"startTime") required DateTime startTime, @JsonKey(name:"numberOfHours") required int numberOfHours, @JsonKey(name:"classroom") required Classroom classroom, @JsonKey(name:"isOnline") required bool isOnline, @JsonKey(name:"endTime") required DateTime endTime, })
- factory Lecture fromJson (Map< String, dynamic > json)

4.8.1 Member Function Documentation

4.8.1.1 fromJson()

```
factory Lecture _$Lecture::fromJson (
            Map< String, dynamic > json)  [private]
```

4.8.1.2 Lecture()

```
const factory _$Lecture::Lecture (
            { @JsonKey(name:"id") required String id, @JsonKey(name:"name") required String
name, @JsonKey(name:"lecturer") required Lecturer lecturer, @JsonKey(name:"form") required
String form, @JsonKey(name:"startTime") required DateTime startTime, @JsonKey(name:"number←
OfHours") required int numberOfHours, @JsonKey(name:"classroom") required Classroom classroom,
@JsonKey(name:"isOnline") required bool isOnline, @JsonKey(name:"endTime") required DateTime
endTime, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/lecture/lecture.dart

4.9 _$Lecturer Class Reference

Private Member Functions

- const factory Lecturer ({ @JsonKey(name:"id") required int id, @JsonKey(name:"academicTitles") required List< String > academicTitles, @JsonKey(name:"firstName") required String firstName, @JsonKey(name←:"middleName") required String middleName, @JsonKey(name:"familyName") required String familyName, @JsonKey(name:"title") required String title, @JsonKey(name:"profilePicture") required dynamic profile←Picture, @JsonKey(name:"address") required LecturerAddress address, @JsonKey(name:"phoneNumber") required String phoneNumber, @JsonKey(name:"email") required String email, @JsonKey(name:"updated←At") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory Lecturer fromJson (Map< String, dynamic > json)

4.9.1 Member Function Documentation

4.9.1.1 fromJson()

```
factory Lecturer _$Lecturer::fromJson (
            Map< String, dynamic > json)  [private]
```

4.9.1.2 Lecturer()

```
const factory _$Lecturer::Lecturer (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"academicTitles") required
List< String > academicTitles, @JsonKey(name:"firstName") required String firstName, @Json↩
Key(name:"middleName") required String middleName, @JsonKey(name:"familyName") required String
familyName, @JsonKey(name:"title") required String title, @JsonKey(name:"profilePicture")
required dynamic profilePicture, @JsonKey(name:"address") required LecturerAddress address,
@JsonKey(name:"phoneNumber") required String phoneNumber, @JsonKey(name:"email") required
String email, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"created↩
At") required DateTime createdAt, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/lecturer/lecturer.dart

4.10 _$LecturerAddress Class Reference

Private Member Functions

- const factory LecturerAddress ({ @JsonKey(name:"street") required String street, @JsonKey(name:"city")
  required String city, @JsonKey(name:"zipCode") required String zipCode, })
- factory LecturerAddress fromJson (Map< String, dynamic > json)

4.10.1 Member Function Documentation

4.10.1.1 fromJson()

```
factory LecturerAddress _$LecturerAddress::fromJson (
            Map< String, dynamic > json)  [private]
```

4.10.1.2 LecturerAddress()

```
const factory _$LecturerAddress::LecturerAddress (
            { @JsonKey(name:"street") required String street, @JsonKey(name:"city") required
String city, @JsonKey(name:"zipCode") required String zipCode, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/lecturer_address/lecturer_address.dart

4.11 _$MessageResponse Class Reference

Private Member Functions

- const factory MessageResponse ({ @JsonKey(name:"message") required String errors, @JsonKey(name↩
  :"status") required int status, })
- factory MessageResponse fromJson (Map< String, dynamic > json)

4.11.1 Member Function Documentation

4.11.1.1 fromJson()

```
factory MessageResponse _$MessageResponse::fromJson (
            Map< String, dynamic > json)  [private]
```

4.11.1.2 MessageResponse()

```
const factory _$MessageResponse::MessageResponse (
            { @JsonKey(name:"message") required String errors, @JsonKey(name:"status") required
int status, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/responses/message_response/message_response.dart

4.12 _$PhoneNumber Class Reference

Private Member Functions

- const factory PhoneNumber ({ @JsonKey(name:"id") required String id, @JsonKey(name:"phoneNumber")
  required String phoneNumber, @JsonKey(name:"info") String? info, })
- factory PhoneNumber fromJson (Map< String, dynamic > json)

4.12.1 Member Function Documentation

4.12.1.1 fromJson()

```
factory PhoneNumber _$PhoneNumber::fromJson (
            Map< String, dynamic > json)  [private]
```

4.12.1.2 PhoneNumber()

```
const factory _$PhoneNumber::PhoneNumber (
            { @JsonKey(name:"id") required String id, @JsonKey(name:"phoneNumber") required
String phoneNumber, @JsonKey(name:"info") String?  info, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/contact/contact.dart

4.13 _$ProfilePicture Class Reference

Private Member Functions

- const factory ProfilePicture ({ @JsonKey(name:"id") required int id, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, @JsonKey(name:"url") required String url, @JsonKey(name:"thumbnailURL") String? thumbnailUrl, @JsonKey(name:"filename") required String filename, @JsonKey(name:"mimeType") required String mimeType, @JsonKey(name:"filesize") required int filesize, @JsonKey(name:"width") required int width, @JsonKey(name:"height") required int height, @JsonKey(name:"focalX") required int focalX, @JsonKey(name:"focalY") required int focalY, })
- factory ProfilePicture fromJson (Map< String, dynamic > json)

4.13.1 Member Function Documentation

4.13.1.1 fromJson()

```
factory ProfilePicture _$ProfilePicture::fromJson (
            Map< String, dynamic > json)  [private]
```

4.13.1.2 ProfilePicture()

```
const factory _$ProfilePicture::ProfilePicture (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"updatedAt") required Date↩
Time updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, @JsonKey(name:"url")
required String url, @JsonKey(name:"thumbnailURL") String?  thumbnailUrl, @JsonKey(name↩
:"filename") required String filename, @JsonKey(name:"mimeType") required String mimeType,
@JsonKey(name:"filesize") required int filesize, @JsonKey(name:"width") required int width,
@JsonKey(name:"height") required int height, @JsonKey(name:"focalX") required int focalX,
@JsonKey(name:"focalY") required int focalY, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/profilePicture/profile_picture.dart

4.14 _$Schedule Class Reference

Private Member Functions

- const factory Schedule ({ @JsonKey(name:"id") required int id, @JsonKey(name:"weekAfullTimeSchedule") required WeekFullTimeSchedule weekAfullTimeSchedule, @JsonKey(name:"weekAPartTimeSchedule") required WeekPartTimeSchedule weekAPartTimeSchedule, @JsonKey(name:"weekBfullTimeSchedule") required WeekFullTimeSchedule weekBfullTimeSchedule, @JsonKey(name:"weekBPartTimeSchedule") required WeekPartTimeSchedule weekBPartTimeSchedule, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, })
- factory Schedule fromJson (Map< String, dynamic > json)

4.14.1 Member Function Documentation

4.14.1.1 fromJson()

```
factory Schedule _$Schedule::fromJson (
            Map< String, dynamic > json)  [private]
```

4.14.1.2 Schedule()

```
const factory _$Schedule::Schedule (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"weekAfullTimeSchedule")
required WeekFullTimeSchedule weekAfullTimeSchedule, @JsonKey(name:"weekAPartTimeSchedule")
required WeekPartTimeSchedule weekAPartTimeSchedule, @JsonKey(name:"weekBfullTimeSchedule")
required WeekFullTimeSchedule weekBfullTimeSchedule, @JsonKey(name:"weekBPartTimeSchedule")
required WeekPartTimeSchedule weekBPartTimeSchedule, @JsonKey(name:"updatedAt") required Date↩
Time updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/schedule/schedule.dart

4.15 _$Student Class Reference

Private Member Functions

- const factory Student ({ @JsonKey(name:"id") required int id, @JsonKey(name:"username") required String username, @JsonKey(name:"firstName") required String firstName, @JsonKey(name:"middleName") required String?   middleName, @JsonKey(name:"familyName") required String familyName, @Json↩ Key(name:"coursesOfStudy") required List< CourseOfStudy > coursesOfStudy, @JsonKey(name:"profile↩ Picture") ProfilePicture?   profilePicture, @JsonKey(name:"dateOfBirth") required DateTime dateOfBirth, @JsonKey(name:"indexNumber") required String indexNumber, @JsonKey(name:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime createdAt, @JsonKey(name:"login↩ Attempts") required int loginAttempts, })
- factory Student fromJson (Map< String, dynamic > json)

4.15.1 Member Function Documentation

4.15.1.1 fromJson()

```
factory Student _$Student::fromJson (
            Map< String, dynamic > json)  [private]
```

4.15.1.2 Student()

```
const factory _$Student::Student (
            { @JsonKey(name:"id") required int id, @JsonKey(name:"username") required String
username, @JsonKey(name:"firstName") required String firstName, @JsonKey(name:"middleName")
required String?  middleName, @JsonKey(name:"familyName") required String familyName, @Json←
Key(name:"coursesOfStudy") required List< CourseOfStudy > coursesOfStudy, @JsonKey(name←
:"profilePicture") ProfilePicture?  profilePicture, @JsonKey(name:"dateOfBirth") required
DateTime dateOfBirth, @JsonKey(name:"indexNumber") required String indexNumber, @JsonKey(name←
:"updatedAt") required DateTime updatedAt, @JsonKey(name:"createdAt") required DateTime created←
At, @JsonKey(name:"loginAttempts") required int loginAttempts, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/student/student.dart

4.16 _$StudentLoginResponse Class Reference

Private Member Functions

- const factory StudentLoginResponse ({ @JsonKey(name:"message") required String message, @Json←
Key(name:"exp") required int exp, @JsonKey(name:"token") required String token, @JsonKey(name:"user")
required Student user, })
- factory StudentLoginResponse fromJson (Map< String, dynamic > json)

4.16.1 Member Function Documentation

4.16.1.1 fromJson()

```
factory StudentLoginResponse _$StudentLoginResponse::fromJson (
            Map< String, dynamic > json)  [private]
```

4.16.1.2 StudentLoginResponse()

```
const factory _$StudentLoginResponse::StudentLoginResponse (
            { @JsonKey(name:"message") required String message, @JsonKey(name:"exp") required
int exp, @JsonKey(name:"token") required String token, @JsonKey(name:"user") required Student
user, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/responses/student_login_response/student_login_response.dart

4.17 _$StudentLoginWithUsernameAndPasswordData Class Reference

Private Member Functions

- const factory StudentLoginWithUsernameAndPasswordData ({ @JsonKey(name:"email") required String
email, @JsonKey(name:"password") required String password, })
- factory StudentLoginWithUsernameAndPasswordData fromJson (Map< String, dynamic > json)

4.17.1 Member Function Documentation

4.17.1.1 fromJson()

```
factory StudentLoginWithUsernameAndPasswordData _$StudentLoginWithUsernameAndPasswordData↩
::fromJson (
            Map< String, dynamic > json)  [private]
```

4.17.1.2 StudentLoginWithUsernameAndPasswordData()

```
const factory _$StudentLoginWithUsernameAndPasswordData::StudentLoginWithUsernameAndPassword↩
Data (
            { @JsonKey(name:"email") required String email, @JsonKey(name:"password") required
String password, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/request-data/student_login_with_username_and_password_data.dart

4.18 _$StudentProfilePictureUpdatedResponse Class Reference

Private Member Functions

- const factory StudentProfilePictureUpdatedResponse ({ @JsonKey(name:"message") required String message, @JsonKey(name:"doc") required ProfilePicture doc, })
- factory StudentProfilePictureUpdatedResponse fromJson (Map< String, dynamic > json)

4.18.1 Member Function Documentation

4.18.1.1 fromJson()

```
factory StudentProfilePictureUpdatedResponse _$StudentProfilePictureUpdatedResponse::fromJson
(
            Map< String, dynamic > json)  [private]
```

4.18.1.2 StudentProfilePictureUpdatedResponse()

```
const factory _$StudentProfilePictureUpdatedResponse::StudentProfilePictureUpdatedResponse (
            { @JsonKey(name:"message") required String message, @JsonKey(name:"doc") required
ProfilePicture doc, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/responses/student_profile_picture_updated_response/student_profile_picture_updated_response.dart

4.19 _$WeekPartTimeSchedule Class Reference

Private Member Functions

- const factory WeekPartTimeSchedule ({ @JsonKey(name:"saturday") required List< Lecture > saturday, @JsonKey(name:"sunday") required List< Lecture > sunday, })
- factory WeekPartTimeSchedule fromJson (Map< String, dynamic > json)

4.19.1 Member Function Documentation

4.19.1.1 fromJson()

```
factory WeekPartTimeSchedule _$WeekPartTimeSchedule::fromJson (
            Map< String, dynamic > json)  [private]
```

4.19.1.2 WeekPartTimeSchedule()

```
const factory _$WeekPartTimeSchedule::WeekPartTimeSchedule (
            { @JsonKey(name:"saturday") required List< Lecture > saturday, @JsonKey(name←
:"sunday") required List< Lecture > sunday, } )  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/models/schedule/schedule.dart

4.20 _AnnouncementsPageState Class Reference

Stan dla klasy AnnouncementsPage.

4.20.1 Detailed Description

Stan dla klasy AnnouncementsPage.

Zarządza stanem strony ogłoszeń.

The documentation for this class was generated from the following file:

- lib/screens/announcements/announcements_page.dart

4.21 AnnouncementsPage Class Reference

Klasa dostarczająca stronę ogłoszeń

4.21.1 Detailed Description

Klasa dostarczająca stronę ogłoszeń

Odpowiada za wyświetlanie listy ogłoszeń.

The documentation for this class was generated from the following file:

- lib/screens/announcements/announcements_page.dart

4.22 BiometricsNotifier Class Reference

Notifier dla biometrii.

4.22.1 Detailed Description

Notifier dla biometrii.

Zarządza stanem włączenia biometrii.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.23 ConsumerStatefulWidget Class Reference

Private Member Functions

- EditAccount ({super.key, required this.student})
    Konstruktor widgetu EditAccount.
- override ConsumerState< EditAccount > createState ()

Private Attributes

- final Student student
- late final String formattedNameAndFamilyName

4.23.1 Member Function Documentation

4.23.1.1 createState()

```
override ConsumerState< EditAccount > ConsumerStatefulWidget::createState ()  [private]
```

4.23.1.2 EditAccount()

```
ConsumerStatefulWidget::EditAccount (
            {super.key, required this.student} )  [inline], [private]
```

Konstruktor widgetu EditAccount.

Parameters

student	Obiekt studenta zawierający dane do wyświetlenia.

4.23.2 Member Data Documentation

4.23.2.1 formattedNameAndFamilyName

```
late final String ConsumerStatefulWidget::formattedNameAndFamilyName [private]
```

4.23.2.2 student

```
final Student ConsumerStatefulWidget::student [private]
```

The documentation for this class was generated from the following file:

- lib/screens/profile/profile_page.dart

4.24 ConsumerWidget Class Reference

Collaboration diagram for ConsumerWidget:
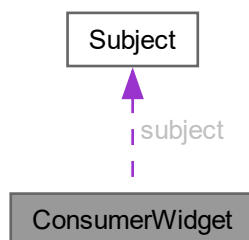
Private Member Functions

- const MyApp ({super.key})
- override Widget build (BuildContext context, WidgetRef ref)
    Buduje widget aplikacji.
- const AnnouncementDetailsPage ({super.key, required this.announcement})
- void _launchURL (Uri url) async
- override Widget build (BuildContext context, WidgetRef ref)
- const SettingsPage ({super.key, required this.student})
    Konstruktor widgetu SettingsPage.
- Widget _buildProfileImage ()
    Buduje widget wyświetlający zdjęcie profilowe.
- override Widget build (BuildContext context, WidgetRef ref)
- GradesPage ({super.key})
    Konstruktor widgetu GradesPage.
- override Widget build (BuildContext context, WidgetRef ref)
- const SubjectDetailsPage ({super.key, required this.subject})
    Konstruktor widgetu SubjectDetailsPage.
- override Widget build (BuildContext context, WidgetRef ref)
- Widget _buildGradesTab (bool isDarkMode)
- Widget _buildExamsTab (bool isDarkMode)
- Color _getGradeColor (double grade)
    Pobiera kolor oceny na podstawie jej wartości.

Private Attributes

- final Announcement announcement
- final Student student
- final List< Subject > subjects
- final Subject subject

4.24.1 Member Function Documentation

4.24.1.1 _buildExamsTab()

```
Widget ConsumerWidget::_buildExamsTab (
            bool isDarkMode) [inline], [private]
```

4.24.1.2 _buildGradesTab()

```
Widget ConsumerWidget::_buildGradesTab (
            bool isDarkMode) [inline], [private]
```

4.24.1.3 _buildProfileImage()

```
Widget ConsumerWidget::_buildProfileImage () [inline], [private]
```

Buduje widget wyświetlający zdjęcie profilowe.

Returns

Widget wyświetlający zdjęcie profilowe.

4.24.1.4 _getGradeColor()

```
Color ConsumerWidget::_getGradeColor (
            double grade) [inline], [private]
```

Pobiera kolor oceny na podstawie jej wartości.

Parameters

grade	Wartość oceny.

Returns

Kolor odpowiadający ocenie.

4.24.1.5 _launchURL()

```
void ConsumerWidget::_launchURL (
            Uri url) [inline], [private]
```

4.24.1.6 AnnouncementDetailsPage()

```
const ConsumerWidget::AnnouncementDetailsPage (
            {super.key, required this.announcement} ) [private]
```

4.24.1.7 build() [1/5]

```
override Widget ConsumerWidget::build (
            BuildContext context,
            WidgetRef ref) [inline], [private]
```

Buduje widget aplikacji.

Parameters

context	Kontekst budowania widgetu
ref	Referencja do providerów Riverpod

Returns

Widget aplikacji

4.24.1.8 build() [2/5]

```
override Widget ConsumerWidget::build (
            BuildContext context,
            WidgetRef ref) [inline], [private]
```

4.24.1.9   build() [3/5]

```
override Widget ConsumerWidget::build (
            BuildContext context,
            WidgetRef ref)  [inline], [private]
```

4.24.1.10   build() [4/5]

```
override Widget ConsumerWidget::build (
            BuildContext context,
            WidgetRef ref)  [inline], [private]
```

4.24.1.11   build() [5/5]

```
override Widget ConsumerWidget::build (
            BuildContext context,
            WidgetRef ref)  [inline], [private]
```

4.24.1.12   GradesPage()

```
ConsumerWidget::GradesPage (
            {super.key} )  [private]
```

Konstruktor widgetu GradesPage.

4.24.1.13   MyApp()

```
const ConsumerWidget::MyApp (
            {super.key} )  [private]
```

4.24.1.14   SettingsPage()

```
const ConsumerWidget::SettingsPage (
            {super.key, required this.student} )  [private]
```

Konstruktor widgetu SettingsPage.

Parameters

student	Obiekt studenta zawierający dane do wyświetlenia.

4.24.1.15   SubjectDetailsPage()

```
const ConsumerWidget::SubjectDetailsPage (
            {super.key, required this.subject} )  [private]
```

Konstruktor widgetu SubjectDetailsPage.

Parameters

subject	Obiekt przedmiotu zawierający dane do wyświetlenia.

4.24.2 Member Data Documentation

4.24.2.1 announcement

```
final Announcement ConsumerWidget::announcement  [private]
```

4.24.2.2 student

```
final Student ConsumerWidget::student  [private]
```

4.24.2.3 subject

```
final Subject ConsumerWidget::subject  [private]
```

4.24.2.4 subjects

```
final List<Subject> ConsumerWidget::subjects  [private]
```

The documentation for this class was generated from the following files:

- lib/main.dart
- lib/screens/announcements/announcement_details_page.dart
- lib/screens/settings/settings_page.dart
- lib/screens/subjects/subject_page.dart

4.25 CustomInputBorders Class Reference

Static Private Member Functions

- static OutlineInputBorder errorBorder ()

  Zwraca obramowanie pola tekstowego dla błędów.
- static OutlineInputBorder enabledBorder ()

  Zwraca obramowanie pola tekstowego dla trybu ciemnego, gdy pole jest aktywne.
- static OutlineInputBorder focusedBorder ()

  Zwraca obramowanie pola tekstowego dla trybu ciemnego, gdy pole jest w fokusie.
- static OutlineInputBorder enabledBorderW ()

  Zwraca obramowanie pola tekstowego dla trybu jasnego, gdy pole jest aktywne.
- static OutlineInputBorder focusedBorderW ()

  Zwraca obramowanie pola tekstowego dla trybu jasnego, gdy pole jest w fokusie.

4.25.1 Member Function Documentation

4.25.1.1 enabledBorder()

```
static OutlineInputBorder CustomInputBorders::enabledBorder ()  [inline], [static], [private]
```

Zwraca obramowanie pola tekstowego dla trybu ciemnego, gdy pole jest aktywne.

Returns

Obramowanie pola tekstowego.

4.25.1.2 enabledBorderW()

```
static OutlineInputBorder CustomInputBorders::enabledBorderW ()  [inline], [static], [private]
```

Zwraca obramowanie pola tekstowego dla trybu jasnego, gdy pole jest aktywne.

Returns

Obramowanie pola tekstowego.

4.25.1.3 errorBorder()

```
static OutlineInputBorder CustomInputBorders::errorBorder ()  [inline], [static], [private]
```

Zwraca obramowanie pola tekstowego dla błędów.

Returns

Obramowanie pola tekstowego.

4.25.1.4 focusedBorder()

```
static OutlineInputBorder CustomInputBorders::focusedBorder ()  [inline], [static], [private]
```

Zwraca obramowanie pola tekstowego dla trybu ciemnego, gdy pole jest w fokusie.

Returns

Obramowanie pola tekstowego.

4.25.1.5 focusedBorderW()

```
static OutlineInputBorder CustomInputBorders::focusedBorderW ()  [inline], [static], [private]
```

Zwraca obramowanie pola tekstowego dla trybu jasnego, gdy pole jest w fokusie.

Returns

Obramowanie pola tekstowego.

The documentation for this class was generated from the following file:

- lib/utils/theme.dart

4.26 DarkModeNotifier Class Reference

Notifier dla trybu ciemnego.

4.26.1 Detailed Description

Notifier dla trybu ciemnego.

Zarządza stanem trybu ciemnego aplikacji.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.27 DefaultFirebaseOptions Class Reference

Static Private Attributes

- static FirebaseOptions get currentPlatform
- static const FirebaseOptions ios

4.27.1 Detailed Description

Default [FirebaseOptions] for use with your Firebase apps.

Example:
```
import 'firebase_options.dart';
// ...
await Firebase.initializeApp(
  options: DefaultFirebaseOptions.currentPlatform,
);
```

4.27.2 Member Data Documentation

4.27.2.1 currentPlatform

```
FirebaseOptions get DefaultFirebaseOptions::currentPlatform [static], [private]
```

4.27.2.2 ios

```
const FirebaseOptions DefaultFirebaseOptions::ios [static], [private]
```

Initial value:
```
= FirebaseOptions(
    apiKey: 'AIzaSyCWn-_Qkdgeuss28cidAWHe2-BPfO7t-Jk',
    appId: '1:87204848812:ios:4ecaa3e0f37038f79a2b09',
    messagingSenderId: '87204848812',
    projectId: 'wirtualny-dziekanat-72543',
    storageBucket: 'wirtualny-dziekanat-72543.appspot.com',
    iosBundleId: 'com.example.flutterApplication',
  )
```

The documentation for this class was generated from the following file:

- lib/utils/firebase_options.dart

4.28 Exam Class Reference

Private Member Functions

- Exam ({ required this.title, required this.date, required this.description, required this.location, })
    Konstruktor klasy Exam.

Private Attributes

- final String title
- final DateTime date
- final String description
- final String location

4.28.1 Constructor & Destructor Documentation

4.28.1.1 Exam()

```
Exam::Exam (
            { required this.title, required this.date, required this.description, required
this.location, } )  [private]
```

Konstruktor klasy Exam.

title	Tytuł egzaminu.
date	Data egzaminu.
description	Opis egzaminu.
location	Lokalizacja egzaminu.

4.28.2 Member Data Documentation

4.28.2.1 date

```
final DateTime Exam::date  [private]
```

4.28.2.2 description

```
final String Exam::description  [private]
```

4.28.2.3 location

```
final String Exam::location  [private]
```

4.28.2.4 title

```
final String Exam::title  [private]
```

The documentation for this class was generated from the following file:

- lib/screens/subjects/subject.dart

4.29 Exception Class Reference

Protected Member Functions

- const WirtualnyDioException ({super.message, super.code, required super.module, this.dioException})

Protected Attributes

- final DioException dioException
- const WirtualnyAuthException({super.message, super.code, super.dioException, this.loginData}) final StudentLoginWithUsernameAndPasswordData loginData

Private Member Functions

- override bool operator== (Object other)
- override String toString ()

Private Attributes

- const WirtualnyException({ required this.module, this.message, String? code, this.stackTrace, }) final String module
- final String message
- final String code
- final StackTrace stackTrace
- override int get hashCode => Object.hash(module, code, message)

4.29.1 Member Function Documentation

4.29.1.1 operator==()

```
override bool Exception::operator== (
            Object other)  [inline], [private]
```

4.29.1.2 toString()

```
override String Exception::toString ()  [inline], [private]
```

4.29.1.3 WirtualnyDioException()

```
const Exception::WirtualnyDioException (
            {super.message, super.code, required super.module, this.dioException} )  [protected]
```

4.29.2 Member Data Documentation

4.29.2.1 code

```
final String Exception::code  [private]
```

4.29.2.2 dioException

```
final DioException Exception::dioException  [protected]
```

4.29.2.3 hashCode

```
override int get Exception::hashCode => Object.hash(module, code, message)  [private]
```

4.29.2.4 loginData

```
const WirtualnyAuthException ( {super.message, super.code, super.dioException, this.login↩
Data}) final StudentLoginWithUsernameAndPasswordData Exception::loginData  [protected]
```

4.29.2.5 message

```
final String Exception::message  [private]
```

4.29.2.6 module

```
const WirtualnyException ({ required this.module, this.message, String?  code, this.stack↩
Trace, }) final String Exception::module  [private]
```

4.29.2.7 stackTrace

```
final StackTrace Exception::stackTrace  [private]
```

The documentation for this class was generated from the following files:

- lib/wirtualny-sdk/exceptions/wirtualny_dio_exception.dart
- lib/wirtualny-sdk/exceptions/wirtualny_exception.dart
- lib/wirtualny-sdk/modules/auth/wirtualny_auth_exception.dart

4.30 FirebaseApi Class Reference

Static Private Member Functions

- static Future< void > initNotifications () async
    Inicjalizuje powiadomienia push.
- static void handleMessage (RemoteMessage? message)
    Obsługuje wiadomość push.
- static Future initPushNotifications () async
    Inicjalizuje powiadomienia push.

Static Private Attributes

- static final _firebaseMessaging = FirebaseMessaging.instance

4.30.1 Member Function Documentation

4.30.1.1 handleMessage()

```
static void FirebaseApi::handleMessage (
            RemoteMessage?  message) [inline], [static], [private]
```

Obsługuje wiadomość push.

Parameters

message	Wiadomość push.

4.30.1.2 initNotifications()

```
static Future< void > FirebaseApi::initNotifications () [inline], [static], [private]
```

Inicjalizuje powiadomienia push.

4.30.1.3 initPushNotifications()

```
static Future FirebaseApi::initPushNotifications () [inline], [static], [private]
```

Inicjalizuje powiadomienia push.

4.30.2 Member Data Documentation

4.30.2.1 _firebaseMessaging

```
final FirebaseApi::_firebaseMessaging = FirebaseMessaging.instance [static], [private]
```

The documentation for this class was generated from the following file:

- lib/utils/push_notifications.dart

4.31 ImagePickerService Class Reference

Static Private Member Functions

- static Future< File?> pickImageFromGallery (BuildContext context) async
    Wybiera obraz z galerii.
- static Future< File?> pickImageFromCamera (BuildContext context) async
    Wybiera obraz z aparatu.
- static void showImageSourceActionSheet (BuildContext context, Function(File?) onImageSelected)
    Wyświetla arkusz akcji do wyboru źródła obrazu.

4.31.1 Member Function Documentation

4.31.1.1 pickImageFromCamera()

```
static Future< File?> ImagePickerService::pickImageFromCamera (
            BuildContext context) [inline], [static], [private]
```

Wybiera obraz z aparatu.

Parameters

context	Kontekst aplikacji.

Returns

Plik obrazu lub null, jeśli nie wybrano obrazu.

4.31.1.2 pickImageFromGallery()

```
static Future< File?> ImagePickerService::pickImageFromGallery (
            BuildContext context)  [inline], [static], [private]
```

Wybiera obraz z galerii.

Parameters

context	Kontekst aplikacji.

Returns

Plik obrazu lub null, jeśli nie wybrano obrazu.

4.31.1.3 showImageSourceActionSheet()

```
static void ImagePickerService::showImageSourceActionSheet (
            BuildContext context,
            Function(File?)  onImageSelected)  [inline], [static], [private]
```

Wyświetla arkusz akcji do wyboru źródła obrazu.

Parameters

context	Kontekst aplikacji.
onImageSelected	Funkcja wywoływana po wybraniu obrazu.

The documentation for this class was generated from the following file:

- lib/utils/image_picker_service.dart

4.32 LocaleNotifier Class Reference

Notifier dla języka.

4.32.1 Detailed Description

Notifier dla języka.

Zarządza stanem wybranego języka aplikacji.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.33 MyApp Class Reference

Główna klasa aplikacji.

4.33.1 Detailed Description

Główna klasa aplikacji.

Odpowiada za budowanie głównej struktury aplikacji.

The documentation for this class was generated from the following file:

- lib/main.dart

4.34 NotificationsNotifier Class Reference

Notifier dla powiadomień

4.34.1 Detailed Description

Notifier dla powiadomień

Zarządza stanem włączenia powiadomień.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.35 SandBox Class Reference

Klasa do testowania.

4.35.1 Detailed Description

Klasa do testowania.

Służy do testowania funkcji bez wpływu na główną aplikację.

The documentation for this class was generated from the following file:

- lib/main.dart

4.36 SelectedLanguageNotifier Class Reference

Notifier dla wybranego języka.

4.36.1 Detailed Description

Notifier dla wybranego języka.

Zarządza stanem wybranego języka aplikacji.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.37 StatefulWidget Class Reference

Private Member Functions

- const AnnouncementsPage ({super.key})
- override State< AnnouncementsPage > createState ()
- HomePage ({super.key, required this.student})

    Konstruktor widgetu HomePage.
- override State< HomePage > createState ()
- const TabsScreen ({super.key, required this.student})

    Konstruktor widgetu TabsScreen.
- override State< TabsScreen > createState ()
- const StudentLoginForm ({super.key})
- override State< StudentLoginForm > createState ()
- const WelcomeScreen ({super.key})
- override State< WelcomeScreen > createState ()
- const MessageHandler ({super.key, required this.child})
- override State createState ()
- const PasswordInput ({ super.key, required this.textEditingController, required this.validator, required this.↩
  label, required this.icon, })

    Konstruktor widgetu PasswordInput.
- override State< StatefulWidget > createState ()

Private Attributes

- Student student
- final Student student
- final Widget child
- final TextEditingController textEditingController
- final FormFieldValidator< String?> validator
- final Widget label
- final IconData icon

4.37.1 Member Function Documentation

4.37.1.1 AnnouncementsPage()

```
const StatefulWidget::AnnouncementsPage (
            {super.key} )  [private]
```

4.37.1.2 createState() [1/7]

```
override State< AnnouncementsPage > StatefulWidget::createState ()  [private]
```

4.37.1.3 createState() [2/7]

```
override State< HomePage > StatefulWidget::createState ()  [private]
```

4.37.1.4 createState() [3/7]

```
override State< TabsScreen > StatefulWidget::createState ()  [private]
```

4.37.1.5 createState() [4/7]

```
override State< StudentLoginForm > StatefulWidget::createState ()  [private]
```

4.37.1.6 createState() [5/7]

```
override State< WelcomeScreen > StatefulWidget::createState ()  [private]
```

4.37.1.7 createState() [6/7]

```
override State StatefulWidget::createState ()  [private]
```

4.37.1.8 createState() [7/7]

```
override State< StatefulWidget > StatefulWidget::createState ()  [private]
```

4.37.1.9 HomePage()

```
StatefulWidget::HomePage (
            {super.key, required this.student} )  [private]
```

Konstruktor widgetu HomePage.

Parameters

student	Student, którego plan zajęć będzie wyświetlany.

4.37.1.10 MessageHandler()

```
const StatefulWidget::MessageHandler (
            {super.key, required this.child} )  [private]
```

4.37.1.11 PasswordInput()

```
const StatefulWidget::PasswordInput (
            { super.key, required this.textEditingController, required this.validator, required
this.label, required this.icon, } )  [private]
```

Konstruktor widgetu PasswordInput.

Parameters

textEditingController	Kontroler tekstu dla pola hasła.
validator	Funkcja walidująca dla pola hasła.
label	Etykieta pola hasła.
icon	Ikona dla pola hasła.

4.37.1.12 StudentLoginForm()

```
const StatefulWidget::StudentLoginForm (
            {super.key} )  [private]
```

4.37.1.13 TabsScreen()

```
const StatefulWidget::TabsScreen (
            {super.key, required this.student} )  [private]
```

Konstruktor widgetu TabsScreen.

Parameters

student	Obiekt studenta zawierający dane do wyświetlenia.

4.37.1.14 WelcomeScreen()

```
const StatefulWidget::WelcomeScreen (
            {super.key} )  [private]
```

4.37.2 Member Data Documentation

4.37.2.1 child

```
final Widget StatefulWidget::child  [private]
```

4.37.2.2 icon

```
final IconData StatefulWidget::icon  [private]
```

4.37.2.3 label

```
final Widget StatefulWidget::label  [private]
```

4.37.2.4 student [1/2]

```
Student StatefulWidget::student  [private]
```

4.37.2.5 student [2/2]

```
final Student StatefulWidget::student  [private]
```

4.37.2.6 textEditingController

```
final TextEditingController StatefulWidget::textEditingController  [private]
```

4.37.2.7 validator

```
final FormFieldValidator<String?> StatefulWidget::validator  [private]
```

The documentation for this class was generated from the following files:

- lib/screens/announcements/announcements_page.dart
- lib/screens/home/home_page.dart
- lib/screens/tabs/tabs_screen.dart
- lib/widgets/message_handler.dart
- lib/widgets/shared/password_input.dart
- lib/screens/welcome/student_login.dart
- lib/screens/welcome/welcome_page.dart

4.38   StatelessWidget Class Reference

Private Member Functions

- const ProfilePageDataRow ({super.key, required this.textLeft, required this.textRight})

  Konstruktor widgetu ProfilePageDataRow.
- override Widget build (BuildContext context)
- final Function (bool)? onChanged
- const HapticSwitch ({ super.key, required this.value, required this.onChanged, })

  Konstruktor widgetu HapticSwitch.
- override Widget build (BuildContext context)
- final void Function () onPressed
- const StyledButton ({super.key, required this.onPressed, required this.child})

  Konstruktor widgetu StyledButton.
- override Widget build (BuildContext context)
- final Function () onTap
- const StyledButtonSettings ({super.key, required this.onTap})

  Konstruktor widgetu StyledButtonSettings.
- override Widget build (BuildContext context)
- const StyledFormField ({ super.key, required this.textEditingController, required this.validator, required this.↩
  label, required this.icon, this.obscureText=false, this.suffixIcon, this.keyboardType, this.autofillHints, })

  Konstruktor widgetu StyledFormField.
- override Widget build (BuildContext context)
- const StyledBodyText (this.text, {super.key})

  Konstruktor widgetu StyledBodyText.
- override Widget build (BuildContext context)
- const StyledAppBarText (this.text, {super.key})

  Konstruktor widgetu StyledAppBarText.
- override Widget build (BuildContext context)
- const SettingsHeading (this.text, {super.key})

  Konstruktor widgetu SettingsHeading.
- override Widget build (BuildContext context)
- const SettingsTextInside (this.text, {super.key})

  Konstruktor widgetu SettingsTextInside.
- override Widget build (BuildContext context)
- const ProfileTextRight (this.text, {super.key})

  Konstruktor widgetu ProfileTextRight.
- override Widget build (BuildContext context)
- final Function () onTap
- const SettingItem ({super.key, required this.title, required this.bgColor, required this.iconColor, required this.↩
  icon, required this.onTap, this.value})

  Konstruktor widgetu SettingItem.
- override Widget build (BuildContext context)
- const EditItem ({super.key, required this.widget, required this.title})

  Konstruktor widgetu EditItem.
- override Widget build (BuildContext context)

Private Attributes

- final String textLeft
- final String textRight
- final bool value
- final Widget child
- final TextEditingController textEditingController
- final FormFieldValidator< String?> validator
- final Widget label
- final IconData icon
- final bool obscureText
- final Widget suffixIcon
- final TextInputType keyboardType
- final Iterable< String > autofillHints
- final String text
- final String title
- final String value
- final Color bgColor
- final Color iconColor
- final Widget widget

4.38.1 Member Function Documentation

4.38.1.1 build() [1/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.2 build() [2/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.3 build() [3/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.4 build() [4/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.5 build() [5/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.6 build() [6/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.7 build() [7/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.8 build() [8/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.9 build() [9/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.10 build() [10/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.11 build() [11/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.12 build() [12/12]

```
override Widget StatelessWidget::build (
            BuildContext context) [inline], [private]
```

4.38.1.13 EditItem()

```
const StatelessWidget::EditItem (
            {super.key, required this.widget, required this.title} ) [private]
```

Konstruktor widgetu EditItem.

Parameters

widget	Widget wyświetlany po prawej stronie.
title	Tytuł ustawienia.

4.38.1.14 Function() [1/4]

```
final void StatelessWidget::Function ()  [private]
```

4.38.1.15 Function() [2/4]

```
final StatelessWidget::Function ()  [private]
```

4.38.1.16 Function() [3/4]

```
final StatelessWidget::Function ()  [private]
```

4.38.1.17 Function() [4/4]

```
final StatelessWidget::Function (
            bool )  [private]
```

4.38.1.18 HapticSwitch()

```
const StatelessWidget::HapticSwitch (
            { super.key, required this.value, required this.onChanged, } )  [private]
```

Konstruktor widgetu HapticSwitch.

Parameters

value	Aktualna wartość przełącznika.
onChanged	Funkcja wywoływana po zmianie wartości przełącznika.

4.38.1.19 ProfilePageDataRow()

```
const StatelessWidget::ProfilePageDataRow (
            {super.key, required this.textLeft, required this.textRight} )  [private]
```

Konstruktor widgetu ProfilePageDataRow.

Parameters

textLeft	Tekst wyświetlany po lewej stronie.
textRight	Tekst wyświetlany po prawej stronie.

4.38.1.20 ProfileTextRight()

```
const StatelessWidget::ProfileTextRight (
            this. text,
            {super.key} )  [private]
```

Konstruktor widgetu ProfileTextRight.

Parameters

text	Tekst do wyświetlenia.

4.38.1.21 SettingItem()

```
const StatelessWidget::SettingItem (
            {super.key, required this.title, required this.bgColor, required this.iconColor,
required this.icon, required this.onTap, this.value} )  [private]
```

Konstruktor widgetu SettingItem.

Parameters

title	Tytuł ustawienia.
value	Wartość ustawienia.
bgColor	Kolor tła ikony.
iconColor	Kolor ikony.
icon	Ikona ustawienia.
onTap	Funkcja wywoływana po naciśnięciu ustawienia.

4.38.1.22 SettingsHeading()

```
const StatelessWidget::SettingsHeading (
            this. text,
            {super.key} )  [private]
```

Konstruktor widgetu SettingsHeading.

Parameters

text	Tekst do wyświetlenia.

4.38.1.23 SettingsTextInside()

```
const StatelessWidget::SettingsTextInside (
            this. text,
            {super.key} )  [private]
```

Konstruktor widgetu SettingsTextInside.

Parameters

text	Tekst do wyświetlenia.

4.38.1.24 StyledAppBarText()

```
const StatelessWidget::StyledAppBarText (
            this. text,
            {super.key} )  [private]
```

Konstruktor widgetu StyledAppBarText.

Parameters

text	Tekst do wyświetlenia.

4.38.1.25 StyledBodyText()

```
const StatelessWidget::StyledBodyText (
            this. text,
            {super.key} )  [private]
```

Konstruktor widgetu StyledBodyText.

Parameters

text	Tekst do wyświetlenia.

4.38.1.26 StyledButton()

```
const StatelessWidget::StyledButton (
            {super.key, required this.onPressed, required this.child} )  [private]
```

Konstruktor widgetu StyledButton.

Parameters

onPressed	Funkcja wywoływana po naciśnięciu przycisku.
child	Widget dziecka wyświetlany wewnątrz przycisku.

4.38.1.27 StyledButtonSettings()

```
const StatelessWidget::StyledButtonSettings (
            {super.key, required this.onTap} )  [private]
```

Konstruktor widgetu StyledButtonSettings.

Parameters

onTap	Funkcja wywoływana po naciśnięciu przycisku.

4.38.1.28 StyledFormField()

```
const StatelessWidget::StyledFormField (
            { super.key, required this.textEditingController, required this.validator, required
this.label, required this.icon, this.obscureText=false, this.suffixIcon, this.keyboardType,
this.autofillHints, } )  [private]
```

Konstruktor widgetu StyledFormField.

Parameters

textEditingController	Kontroler tekstu dla pola formularza.
validator	Funkcja walidująca dla pola formularza.
label	Etykieta pola formularza.
icon	Ikona dla pola formularza.
obscureText	Flaga określająca, czy tekst ma być ukryty.
suffixIcon	Ikona wyświetlana po prawej stronie pola formularza.
keyboardType	Typ klawiatury dla pola formularza.
autofillHints	Wskazówki do automatycznego wypełniania.

4.38.2 Member Data Documentation

4.38.2.1 autofillHints

```
final Iterable<String> StatelessWidget::autofillHints  [private]
```

4.38.2.2 bgColor

```
final Color StatelessWidget::bgColor  [private]
```

4.38.2.3 child

```
final Widget StatelessWidget::child  [private]
```

4.38.2.4 icon

```
final IconData StatelessWidget::icon  [private]
```

4.38.2.5 iconColor

```
final Color StatelessWidget::iconColor  [private]
```

4.38.2.6 keyboardType

```
final TextInputType StatelessWidget::keyboardType  [private]
```

4.38.2.7 label

```
final Widget StatelessWidget::label  [private]
```

4.38.2.8 obscureText

```
final bool StatelessWidget::obscureText  [private]
```

4.38.2.9 suffixIcon

```
final Widget StatelessWidget::suffixIcon  [private]
```

4.38.2.10 text

```
final String StatelessWidget::text  [private]
```

4.38.2.11 textEditingController

```
final TextEditingController StatelessWidget::textEditingController  [private]
```

4.38.2.12 textLeft

```
final String StatelessWidget::textLeft  [private]
```

4.38.2.13 textRight

```
final String StatelessWidget::textRight  [private]
```

4.38.2.14 title

```
final String StatelessWidget::title  [private]
```

4.38.2.15 validator

```
final FormFieldValidator<String?> StatelessWidget::validator  [private]
```

4.38.2.16 value [1/2]

```
final bool StatelessWidget::value  [private]
```

4.38.2.17 value [2/2]

```
final String StatelessWidget::value  [private]
```

4.38.2.18 widget

```
final Widget StatelessWidget::widget  [private]
```

The documentation for this class was generated from the following files:

- lib/screens/profile/profile_page_data_row.dart
- lib/widgets/shared/haptic_switch.dart
- lib/widgets/shared/styled_button.dart
- lib/widgets/shared/styled_form_field.dart
- lib/widgets/shared/styled_text.dart
- lib/widgets/shared/styled_widgets.dart

4.39 StateNotifier< bool > Class Reference

Private Member Functions

- DarkModeNotifier ()
- Future< void > _loadDarkMode () async

  Ładuje stan trybu ciemnego z pamięci.
- Future< void > toggleDarkMode (bool isDarkMode) async

  Przełącza tryb ciemny.
- NotificationsNotifier ()
- Future< void > _loadNotificationState () async

  Ładuje stan powiadomień z pamięci.
- Future< void > toggleNotifications (bool enabled) async

  Przełącza stan powiadomień
- BiometricsNotifier ()
- Future< void > _loadSavedPreference () async

  Ładuje stan biometrii z pamięci.
- void toggleBiometrics (bool value)

  Przełącza stan biometrii.

4.39.1 Member Function Documentation

4.39.1.1 _loadDarkMode()

```
Future< void > StateNotifier< bool >::_loadDarkMode ()  [inline], [private]
```

Ładuje stan trybu ciemnego z pamięci.

4.39.1.2 _loadNotificationState()

```
Future< void > StateNotifier< bool >::_loadNotificationState ()  [inline], [private]
```

Ładuje stan powiadomień z pamięci.

4.39.1.3 _loadSavedPreference()

```
Future< void > StateNotifier< bool >::_loadSavedPreference ()  [inline], [private]
```

Ładuje stan biometrii z pamięci.

4.39.1.4 BiometricsNotifier()

```
StateNotifier< bool >::BiometricsNotifier ()  [inline], [private]
```

4.39.1.5 DarkModeNotifier()

```
StateNotifier< bool >::DarkModeNotifier ()  [inline], [private]
```

4.39.1.6 NotificationsNotifier()

```
StateNotifier< bool >::NotificationsNotifier ()  [inline], [private]
```

4.39.1.7 toggleBiometrics()

```
void StateNotifier< bool >::toggleBiometrics (
            bool value)  [inline], [private]
```

Przełącza stan biometrii.

Parameters

value	Nowy stan biometrii

4.39.1.8 toggleDarkMode()

```
Future< void > StateNotifier< bool >::toggleDarkMode (
            bool isDarkMode)  [inline], [private]
```

Przełącza tryb ciemny.

Parameters

isDarkMode	Nowy stan trybu ciemnego

4.39.1.9 toggleNotifications()

```
Future< void > StateNotifier< bool >::toggleNotifications (
            bool enabled)  [inline], [private]
```

Przełącza stan powiadomień

Parameters

enabled	Nowy stan powiadomień

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.40 StateNotifier< Locale > Class Reference

Private Member Functions

- LocaleNotifier ()
- Future< void > _loadSavedLocale () async
    Ładuje zapisany język przy starcie.
- Future< void > changeLocale (String language) async
    Zmienia język aplikacji.

4.40.1 Member Function Documentation

4.40.1.1 _loadSavedLocale()

```
Future< void > StateNotifier< Locale >::_loadSavedLocale ()  [inline], [private]
```

Ładuje zapisany język przy starcie.

4.40.1.2 changeLocale()

```
Future< void > StateNotifier< Locale >::changeLocale (
            String language)  [inline], [private]
```

Zmienia język aplikacji.

Parameters

language	Nowy język

4.40.1.3 LocaleNotifier()

```
StateNotifier< Locale >::LocaleNotifier ()  [inline], [private]
```

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.41 StateNotifier$<$ String $>$ Class Reference

Private Member Functions

- SelectedLanguageNotifier ()
- Future$<$ void $>$ _loadSavedLanguage () async

    Ładuje zapisany język przy starcie.
- Future$<$ void $>$ setLanguage (String language) async

    Ustawia nowy język.

4.41.1 Member Function Documentation

4.41.1.1 _loadSavedLanguage()

```
Future< void > StateNotifier< String >::_loadSavedLanguage ()  [inline], [private]
```

Ładuje zapisany język przy starcie.

4.41.1.2 SelectedLanguageNotifier()

```
StateNotifier< String >::SelectedLanguageNotifier ()  [inline], [private]
```

4.41.1.3 setLanguage()

```
Future< void > StateNotifier< String >::setLanguage (
            String language)  [inline], [private]
```

Ustawia nowy język.

Parameters

language	Nowy język

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.42 StateNotifier$<$ Student?$>$ Class Reference

Private Member Functions

- StudentNotifier() void updateStudent (Student student)

    Aktualizuje stan studenta.

4.42.1 Member Function Documentation

4.42.1.1 updateStudent()

```
StudentNotifier() void StateNotifier< Student?>::updateStudent (
            Student student)  [inline], [private]
```

Aktualizuje stan studenta.

Parameters

student	Nowy stan studenta

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.43 StudentNotifier Class Reference

Notifier dla stanu studenta.

4.43.1 Detailed Description

Notifier dla stanu studenta.

Zarządza stanem zalogowanego studenta.

The documentation for this class was generated from the following file:

- lib/providers/riverpod_provider.dart

4.44 Subject Class Reference

Private Member Functions

- Subject ({ required this.name, required this.lecturer, required this.grades, required this.upcomingExams, required this.averageGrade, required this.type, })

  Konstruktor klasy Subject.

Private Attributes

- final String name
- final String lecturer
- final List< Grade > grades
- final List< Exam > upcomingExams
- final double averageGrade
- final String type

4.44.1 Constructor & Destructor Documentation

4.44.1.1 Subject()

```
Subject::Subject (
            { required this.name, required this.lecturer, required this.grades, required
this.upcomingExams, required this.averageGrade, required this.type, } )  [private]
```

Konstruktor klasy Subject.

Parameters

name	Nazwa przedmiotu.
lecturer	Wykładowca prowadzący przedmiot.
grades	Lista ocen z przedmiotu.
upcomingExams	Lista nadchodzących egzaminów z przedmiotu.
averageGrade	Średnia ocena z przedmiotu.
type	Typ przedmiotu (np. wykład, laboratorium).

4.44.2 Member Data Documentation

4.44.2.1 averageGrade

```
final double Subject::averageGrade  [private]
```

4.44.2.2 grades

```
final List<Grade> Subject::grades  [private]
```

4.44.2.3 lecturer

```
final String Subject::lecturer  [private]
```

4.44.2.4 name

```
final String Subject::name  [private]
```

4.44.2.5 type

```
final String Subject::type  [private]
```

4.44.2.6 upcomingExams

```
final List<Exam> Subject::upcomingExams  [private]
```

The documentation for this class was generated from the following file:

- lib/screens/subjects/subject.dart

4.45 WirtualnyAuth Class Reference

Private Member Functions

- WirtualnyAuth ()
- Future< Either< WirtualnyAuthException, Student > > fetchStudent (String token) async
- Future< void > relogin () async
- Stream< Student?> authStateChanges ()
- Future< void > signOut () async
- Future< Either< WirtualnyAuthException, Student > > loginWithUsernameAndPassword (StudentLogin↩
  WithUsernameAndPasswordData loginData) async
- Future< Either< WirtualnyAuthException, ProfilePicture > > changeUserImage ({required File newImage})
  async

Private Attributes

- final log = Logger('WirtualnyAuth')
- StudentLoginResponse _authData
- int authStateListenersCount = 0
- late final StreamController< Student?> _authStateController
- bool get _authStateHasListeners => authStateListenersCount > 0
- Student get student => _authData?.user
- String get accessToken => _authData?.token

4.45.1 Constructor & Destructor Documentation

4.45.1.1 WirtualnyAuth()

```
WirtualnyAuth::WirtualnyAuth ()  [inline], [private]
```

4.45.2 Member Function Documentation

4.45.2.1 authStateChanges()

```
Stream< Student?> WirtualnyAuth::authStateChanges ()  [inline], [private]
```

4.45.2.2 changeUserImage()

```
Future< Either< WirtualnyAuthException, ProfilePicture > > WirtualnyAuth::changeUserImage (
            {required File newImage} )  [inline], [private]
```

4.45.2.3 fetchStudent()

```
Future< Either< WirtualnyAuthException, Student > > WirtualnyAuth::fetchStudent (
            String token)  [inline], [private]
```

4.45.2.4 loginWithUsernameAndPassword()

```
Future< Either< WirtualnyAuthException, Student > > WirtualnyAuth::loginWithUsernameAnd↩
Password (
            StudentLoginWithUsernameAndPasswordData loginData) [inline], [private]
```

4.45.2.5 relogin()

```
Future< void > WirtualnyAuth::relogin () [inline], [private]
```

4.45.2.6 signOut()

```
Future< void > WirtualnyAuth::signOut () [inline], [private]
```

4.45.3 Member Data Documentation

4.45.3.1 _authData

```
StudentLoginResponse WirtualnyAuth::_authData [private]
```

4.45.3.2 _authStateController

```
late final StreamController<Student?> WirtualnyAuth::_authStateController [private]
```

4.45.3.3 _authStateHasListeners

```
bool get WirtualnyAuth::_authStateHasListeners => authStateListenersCount > 0 [private]
```

4.45.3.4 accessToken

```
String get WirtualnyAuth::accessToken => _authData?.token [private]
```

4.45.3.5 authStateListenersCount

```
int WirtualnyAuth::authStateListenersCount = 0 [private]
```

4.45.3.6 log

```
final WirtualnyAuth::log = Logger('WirtualnyAuth') [private]
```

4.45.3.7 student

```
Student get WirtualnyAuth::student => _authData?.user  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/modules/auth/wirtualny_auth.dart

4.46 WirtualnyHttpClient Class Reference

Collaboration diagram for WirtualnyHttpClient:

Private Member Functions

- WirtualnyHttpClient _internal ({required this.baseUrl})
- factory WirtualnyHttpClient ()

Static Private Member Functions

- static void initialize ({required baseUrl})

Private Attributes

- final log = Logger('WirtualnyHttpClient')
- final String baseUrl
- late Dio _dio
- Dio get dio => _dio

Static Private Attributes

- static WirtualnyHttpClient _instance
- static WirtualnyHttpClient get instance

4.46.1 Constructor & Destructor Documentation

4.46.1.1 WirtualnyHttpClient()

```
factory WirtualnyHttpClient::WirtualnyHttpClient ()  [inline], [private]
```

4.46.2 Member Function Documentation

4.46.2.1 _internal()

WirtualnyHttpClient WirtualnyHttpClient::_internal (
            {required this.baseUrl}) [inline], [private]

4.46.2.2 initialize()

static void WirtualnyHttpClient::initialize (
            {required baseUrl}) [inline], [static], [private]

4.46.3 Member Data Documentation

4.46.3.1 _dio

late Dio WirtualnyHttpClient::_dio [private]

4.46.3.2 _instance

WirtualnyHttpClient WirtualnyHttpClient::_instance [static], [private]

4.46.3.3 baseUrl

final String WirtualnyHttpClient::baseUrl [private]

4.46.3.4 dio

Dio get WirtualnyHttpClient::dio => _dio [private]

4.46.3.5 instance

WirtualnyHttpClient get WirtualnyHttpClient::instance [static], [private]

Initial value:
```
{
    if (_instance == null) {
      throw Exception(
          'WirtualnyHttpClient is not initialized. Call initialize() first.');
    }

    return _instance!
```

4.46.3.6 log

```
final WirtualnyHttpClient::log = Logger('WirtualnyHttpClient')  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/wirtualny_http_client.dart

4.47 WirtualnyNotifications Class Reference

Private Member Functions

- Future< Either< WirtualnyNotificationsException, MessageResponse > > addFCMToken ({required String fcmToken}) async
- Future< Either< WirtualnyNotificationsException, AnnouncementsResponse > > getAnnouncements () async
- Future< Either< WirtualnyNotificationsException, Announcement > > getAnnouncement (String announcementId) async

Private Attributes

- final log = Logger('WirtualWirtualnyNotificationsnyAuth')

4.47.1 Member Function Documentation

4.47.1.1 addFCMToken()

```
Future< Either< WirtualnyNotificationsException, MessageResponse > > WirtualnyNotifications←┘
::addFCMToken (
            {required String fcmToken} )  [inline], [private]
```

4.47.1.2 getAnnouncement()

```
Future< Either< WirtualnyNotificationsException, Announcement > > WirtualnyNotifications←┘
::getAnnouncement (
            String announcementId)  [inline], [private]
```

4.47.1.3 getAnnouncements()

```
Future< Either< WirtualnyNotificationsException, AnnouncementsResponse > > WirtualnyNotifications←┘
::getAnnouncements ()  [inline], [private]
```

4.47.2 Member Data Documentation

4.47.2.1 log

```
final WirtualnyNotifications::log = Logger('WirtualWirtualnyNotificationsnyAuth')  [private]
```

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/modules/notifications/wirtualny_notifications.dart

4.48 WirtualnySdk Class Reference

Collaboration diagram for WirtualnySdk:
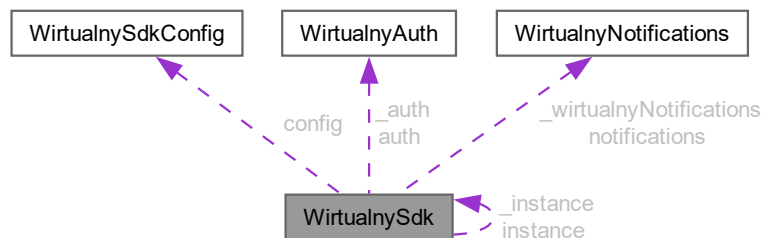
Private Member Functions

- WirtualnySdk _internal (this.config)
- factory WirtualnySdk ()

Static Private Member Functions

- static void initialize ({required WirtualnySdkConfig config})

Private Attributes

- final WirtualnySdkConfig config
- final WirtualnyAuth _auth = WirtualnyAuth()
- final WirtualnyNotifications _wirtualnyNotifications
- WirtualnyAuth get auth => _auth
- WirtualnyNotifications get notifications => _wirtualnyNotifications

Static Private Attributes

- static WirtualnySdk _instance
- static WirtualnySdk get instance

4.48.1 Constructor & Destructor Documentation

4.48.1.1 WirtualnySdk()

```
factory WirtualnySdk::WirtualnySdk ()  [inline], [private]
```

4.48.2 Member Function Documentation

4.48.2.1 _internal()

```
WirtualnySdk WirtualnySdk::_internal (
            this.  config)  [private]
```

4.48.2.2 initialize()

```
static void WirtualnySdk::initialize (
            {required WirtualnySdkConfig config} )  [inline], [static], [private]
```

4.48.3 Member Data Documentation

4.48.3.1 _auth

```
final WirtualnyAuth WirtualnySdk::_auth = WirtualnyAuth()  [private]
```

4.48.3.2 _instance

```
WirtualnySdk WirtualnySdk::_instance  [static], [private]
```

4.48.3.3 _wirtualnyNotifications

```
final WirtualnyNotifications WirtualnySdk::_wirtualnyNotifications  [private]
```

Initial value:
```
=
     WirtualnyNotifications()
```

4.48.3.4 auth

```
WirtualnyAuth get WirtualnySdk::auth => _auth  [private]
```

4.48.3.5 config

```
final WirtualnySdkConfig WirtualnySdk::config  [private]
```

4.48.3.6 instance

WirtualnySdk get WirtualnySdk::instance [static], [private]

Initial value:
```
{
    if (_instance == null) {
      throw Exception(
          'WirtualnySdk is not initialized. Call initialize() first.');
    }

    return _instance!
```

4.48.3.7 notifications

WirtualnyNotifications get WirtualnySdk::notifications => _wirtualnyNotifications [private]

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/wirtualny_sdk.dart

4.49 WirtualnySdkConfig Class Reference

Private Member Functions

- WirtualnySdkConfig ({ required this.restApiBaseUrl, })

Private Attributes

- final String restApiBaseUrl

4.49.1 Constructor & Destructor Documentation

4.49.1.1 WirtualnySdkConfig()

WirtualnySdkConfig::WirtualnySdkConfig (
            { required this.restApiBaseUrl, }) [private]

4.49.2 Member Data Documentation

4.49.2.1 restApiBaseUrl

final String WirtualnySdkConfig::restApiBaseUrl [private]

The documentation for this class was generated from the following file:

- lib/wirtualny-sdk/wirtualny_sdk_config.dart

Chapter 5

File Documentation

5.1 git_hooks/commit_msg.dart File Reference

```
import dart;
```
Include dependency graph for commit_msg.dart:
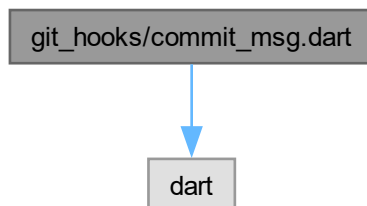
Functions

- void main ()

5.1.1 Function Documentation

5.1.1.1 main()

```
void main ()
```

5.2 git_hooks/pre_commit.dart File Reference

```
import dart;
```
Include dependency graph for pre_commit.dart:
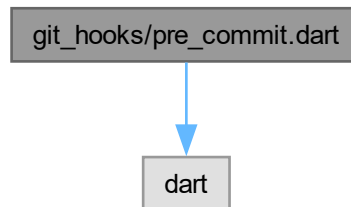
Functions

- void main () async
- Future< bool > _preCommit () async

5.2.1 Function Documentation

5.2.1.1 _preCommit()

```
Future< bool > _preCommit ()
```

5.2.1.2 main()

```
void main ()
```

5.3 lib/main.dart File Reference

Główny plik.

```
import package;
```
Include dependency graph for main.dart:
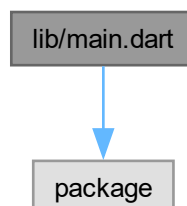
Classes

- class [ConsumerWidget](#)

Functions

- void [main](#) () async

  Główna funkcja aplikacji.
- const [MyApp](#) ({super.key})
- override Widget [build](#) (BuildContext context, WidgetRef ref)

  Buduje widget aplikacji.
- [SandBox](#) ({super.key})
- override Widget [build](#) (BuildContext context)

  Buduje widget [SandBox](#).

Variables

- [library](#)

5.3.1 Detailed Description

Główny plik.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.3.2 Function Documentation

5.3.2.1 build() [1/2]

```
override Widget build (
          BuildContext context)
```

Buduje widget [SandBox](#).

Parameters

context	Kontekst budowania widgetu

Returns

Widget SandBox

5.3.2.2 build() `[2/2]`

```
override Widget SandBox::build (
            BuildContext context,
            WidgetRef ref)
```

Buduje widget aplikacji.

Parameters

context	Kontekst budowania widgetu
ref	Referencja do providerów Riverpod

Returns

Widget aplikacji

5.3.2.3 main()

```
void main ()
```

Główna funkcja aplikacji.

Inicjalizuje środowisko, ładuje konfigurację i uruchamia aplikację.

5.3.2.4 MyApp()

```
const SandBox::MyApp (
            {super.key} )
```

5.3.2.5 SandBox()

```
SandBox (
            {super.key} )
```

5.3.3 Variable Documentation

5.3.3.1 library

```
library
```

5.4 lib/providers/auth_state_provider.dart File Reference

Plik dostarczający providera stanu autoryzacji.

```
import package;
```
Include dependency graph for auth_state_provider.dart:
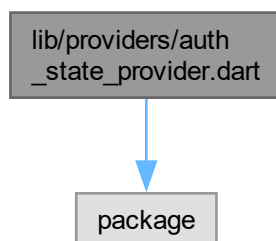
Variables

- library
- final authStateProvider

  Provider stanu autoryzacji.

5.4.1 Detailed Description

Plik dostarczający providera stanu autoryzacji.

Version

   1.0

Date

   2025-01-11

Author

   Marcin Dudek

   Mateusz Basiaga

Copyright

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5.4.2 Variable Documentation

5.4.2.1 authStateProvider

```
final authStateProvider
```

Initial value:
```
= StreamProvider.autoDispose<Student?>((ref) async* {
  final Stream<Student?> studentStream =
      WirtualnySdk.instance.auth.authStateChanges().map((student) {
    if (student != null) {
      return student;
    }

    return null;
  });

  await for (final student in studentStream) {
    yield student;
  }
})
```

Provider stanu autoryzacji.

Dostarcza strumień zmian stanu autoryzacji użytkownika.

5.4.2.2 library

```
library
```

5.5 lib/providers/riverpod_provider.dart File Reference

Plik dostarczający providerów Riverpod.

```
import package;
```
Include dependency graph for riverpod_provider.dart:
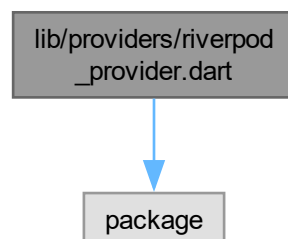
Classes

- class StateNotifier< bool >
- class StateNotifier< Locale >
- class StateNotifier< String >
- class StateNotifier< Student?>

Variables

- [library](#)
- final [darkModeProvider](#)

    Provider trybu ciemnego.
- class [DarkModeNotifier](#) extends StateNotifier< bool > [localeProvider](#)

    Provider języka.
- class [LocaleNotifier](#) extends StateNotifier< Locale > [selectedLanguageProvider](#)

    Provider wybranego języka.
- class [SelectedLanguageNotifier](#) extends StateNotifier< String > [notificationsEnabledProvider](#)

    Provider stanu powiadomień
- class [NotificationsNotifier](#) extends StateNotifier< bool > [biometricsEnabledProvider](#)

    Provider stanu biometrii.
- class [BiometricsNotifier](#) extends StateNotifier< bool > [studentProvider](#)

    Provider stanu studenta.
- class [StudentNotifier](#) extends StateNotifier< Student?> [profileImageKeyProvider](#)

    Provider klucza obrazu profilowego.
- final [profilePictureProvider](#) = StateProvider<String?>((ref) => null)

    Provider obrazu profilowego.

5.5.1 Detailed Description

Plik dostarczający providerów Riverpod.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.5.2 Variable Documentation

5.5.2.1 biometricsEnabledProvider

```
class NotificationsNotifier extends StateNotifier< bool > biometricsEnabledProvider
```

Initial value:
```
=
    StateNotifierProvider<BiometricsNotifier, bool>((ref) {
  return BiometricsNotifier();
})
```

Provider stanu biometrii.

Dostarcza stan włączenia biometrii.

5.5.2.2 darkModeProvider

```
final darkModeProvider
```

Initial value:
```
= StateNotifierProvider<DarkModeNotifier, bool>((ref) {
  return DarkModeNotifier();
})
```

Provider trybu ciemnego.

Dostarcza stan trybu ciemnego aplikacji.

5.5.2.3 library

```
library
```

5.5.2.4 localeProvider

```
class DarkModeNotifier extends StateNotifier< bool > localeProvider
```

Initial value:
```
= StateNotifierProvider<LocaleNotifier, Locale>((ref) {
  return LocaleNotifier();
})
```

Provider języka.

Dostarcza stan wybranego języka aplikacji.

5.5.2.5 notificationsEnabledProvider

```
class SelectedLanguageNotifier extends StateNotifier< String > notificationsEnabledProvider
```

Initial value:
```
=
    StateNotifierProvider<NotificationsNotifier, bool>((ref) {
  return NotificationsNotifier();
})
```

Provider stanu powiadomień

Dostarcza stan włączenia powiadomień.

5.5.2.6 profileImageKeyProvider

```
class StudentNotifier extends StateNotifier< Student?> profileImageKeyProvider
```

Initial value:
```
=
    StateProvider.autoDispose<ValueKey>((ref) => const ValueKey(0))
```

Provider klucza obrazu profilowego.

Dostarcza klucz obrazu profilowego.

5.5.2.7 profilePictureProvider

```
final profilePictureProvider = StateProvider<String?>((ref) => null)
```

Provider obrazu profilowego.

Dostarcza URL obrazu profilowego.

5.5.2.8 selectedLanguageProvider

```
class LocaleNotifier extends StateNotifier< Locale > selectedLanguageProvider
```

Initial value:
```
=
    StateNotifierProvider<SelectedLanguageNotifier, String>((ref) {
  return SelectedLanguageNotifier();
})
```

Provider wybranego języka.

Dostarcza stan wybranego języka aplikacji.

5.5.2.9 studentProvider

```
class BiometricsNotifier extends StateNotifier< bool > studentProvider
```

Initial value:
```
= StateNotifierProvider<StudentNotifier, Student?>((ref) {
  return StudentNotifier();
})
```

Provider stanu studenta.

Dostarcza stan zalogowanego studenta.

5.6 lib/screens/announcements/announcement_details_page.dart File Reference

```
import package;
```
Include dependency graph for announcement_details_page.dart:
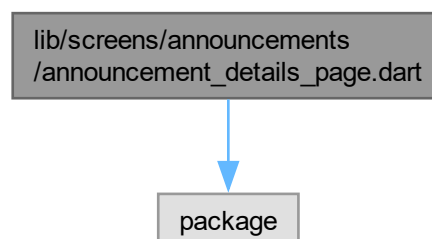
Classes

- class ConsumerWidget

5.7 lib/screens/announcements/announcements_page.dart File Reference

Plik dostarczający stronę ogłoszeń

```
import package;
```
Include dependency graph for announcements_page.dart:
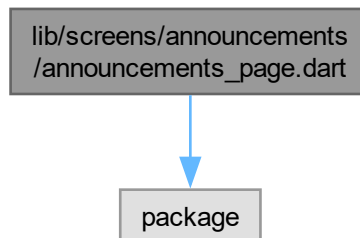
Classes

- class StatefulWidget

Functions

- const AnnouncementsPage ({super.key})
- override State< AnnouncementsPage > createState ()
- Future< void > loadAnnouncements () async

    Ładuje ogłoszenia.

- Future< void > initLastUpdate () async
- override void initState ()
- void _onRefresh () async
- override Widget build (BuildContext context)
- Widget _buildInboxList ()

    Buduje listę odebranych ogłoszeń

- Widget _buildTrashBinList ()

    Buduje listę ogłoszeń w koszu.

Variables

- library
- _announcements = [ ]
- DateTime _lastUpdate
- bool _isLoading = true
- String _errorFeedback
- final RefreshController _refreshController

5.7.1 Detailed Description

Plik dostarczający stronę ogłoszeń

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.7.2 Function Documentation

5.7.2.1 _buildInboxList()

```
Widget _buildInboxList ()
```

Buduje listę odebranych ogłoszeń

Returns

> Widget listy odebranych ogłoszeń

5.7.2.2 _buildTrashBinList()

```
Widget _buildTrashBinList ()
```

Buduje listę ogłoszeń w koszu.

Returns

> Widget listy ogłoszeń w koszu

5.7.2.3 _onRefresh()

```
void _onRefresh ()
```

5.7.2.4 AnnouncementsPage()

```
const _AnnouncementsPageState::AnnouncementsPage (
            {super.key} )
```

5.7.2.5 build()

```
override Widget build (
            BuildContext context)
```

5.7.2.6 createState()

```
override State< AnnouncementsPage > _AnnouncementsPageState::createState ()
```

5.7.2.7 initLastUpdate()

```
Future< void > initLastUpdate ()
```

5.7.2.8 initState()

```
override void initState ()
```

5.7.2.9 loadAnnouncements()

```
Future< void > loadAnnouncements ()
```

Ładuje ogłoszenia.

Pobiera ogłoszenia z serwera i aktualizuje stan.

5.7.3 Variable Documentation

5.7.3.1 _announcements

```
_announcements = []
```

5.7.3.2 _errorFeedback

```
String _errorFeedback
```

5.7.3.3 _isLoading

```
bool _isLoading = true
```

5.7.3.4 _lastUpdate

```
DateTime _lastUpdate
```

5.7.3.5 _refreshController

```
final RefreshController _refreshController
```

Initial value:
```
=
    RefreshController(initialRefresh: false)
```

5.7.3.6 library

```
library
```

5.8 lib/screens/home/home_page.dart File Reference

Ekran główny wyświetlający plan zajęć studenta.

```
import package;
```
Include dependency graph for home_page.dart:
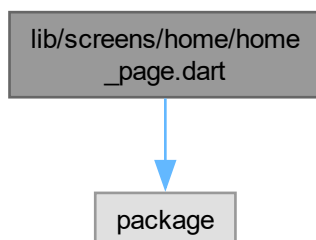
Classes

- class StatefulWidget

Functions

- Future< void > initLastUpdate () async
- override void initState ()
- void _onDaySelected (DateTime selectedDay, DateTime focusedDay)

  Obsługuje wybór dnia w kalendarzu.
- List< Lecture > _getDaySchedule (int weekday)

  Pobiera plan zajęć na określony dzień tygodnia.
- void _onRefresh () async
- override Widget build (BuildContext context)

Variables

- library
- class HomePage extends StatefulWidget today = DateTime.now()
- DateTime selectedDay
- List< Lecture > selectedDaySchedule
- DateTime _lastUpdate
- final RefreshController _refreshController

5.8.1 Detailed Description

Ekran główny wyświetlający plan zajęć studenta.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.8.2 Function Documentation

5.8.2.1 _getDaySchedule()

```
List< Lecture > _getDaySchedule (
            int weekday)
```

Pobiera plan zajęć na określony dzień tygodnia.

Parameters

weekday	Dzień tygodnia.

Returns

Lista fów zaplanowanych na dany dzień.

5.8.2.2 _onDaySelected()

```
void _onDaySelected (
            DateTime selectedDay,
            DateTime focusedDay)
```

Obsługuje wybór dnia w kalendarzu.

Parameters

selectedDay	Wybrany dzień.
focusedDay	Aktualnie skupiony dzień.

5.8.2.3 _onRefresh()

```
void _onRefresh ()
```

5.8.2.4 build()

```
override Widget build (
            BuildContext context)
```

5.8.2.5 initLastUpdate()

```
Future< void > initLastUpdate ()
```

5.8.2.6 initState()

```
override void initState ()
```

5.8.3 Variable Documentation

5.8.3.1 _lastUpdate

```
DateTime _lastUpdate
```

5.8.3.2 _refreshController

```
final RefreshController _refreshController
```

Initial value:
```
=
      RefreshController(initialRefresh: false)
```

5.8.3.3 library

```
library
```

5.8.3.4 selectedDay

```
DateTime selectedDay
```

5.8.3.5 selectedDaySchedule

```
List<Lecture> selectedDaySchedule
```

5.8.3.6 today

```
class HomePage extends StatefulWidget today = DateTime.now()
```

5.9 lib/screens/profile/profile_page.dart File Reference

Ekran profilu użytkownika z możliwością edycji danych.

```
import dart;
```
Include dependency graph for profile_page.dart:
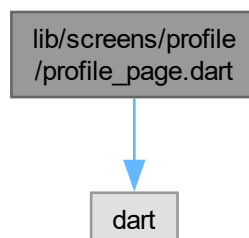
Classes

- class ConsumerStatefulWidget

Functions

- override void initState ()
- Future< void > _uploadImage (File image) async

    Przesyła nowe zdjęcie profilowe na serwer.
- Widget _buildProfileImage ()

    Buduje widget wyświetlający zdjęcie profilowe.
- override Widget build (BuildContext context)

Variables

- library
- class EditAccount extends ConsumerStatefulWidget _selectedImage
- bool _isLoading = false
- late Student _student

5.9.1 Detailed Description

Ekran profilu użytkownika z możliwością edycji danych.

Version

    1.0

Date

    2025-01-11

Author

    Marcin Dudek

    Mateusz Basiaga

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5.9.2 Function Documentation

5.9.2.1 _buildProfileImage()

```
Widget _buildProfileImage ()
```

Buduje widget wyświetlający zdjęcie profilowe.

Returns

    Widget wyświetlający zdjęcie profilowe.

5.9.2.2 _uploadImage()

```
Future< void > _uploadImage (
            File image)
```

Przesyła nowe zdjęcie profilowe na serwer.

Parameters

image	Plik obrazu do przesłania.

5.9.2.3 build()

```
override Widget build (
            BuildContext context)
```

5.9.2.4 initState()

```
override void initState ()
```

5.9.3 Variable Documentation

5.9.3.1 _isLoading

```
bool _isLoading = false
```

5.9.3.2 _selectedImage

```
class EditAccount extends ConsumerStatefulWidget _selectedImage
```

5.9.3.3 _student

```
late Student _student
```

5.9.3.4 library

```
library
```

5.10 lib/screens/profile/profile_page_data_row.dart File Reference

Widget wyświetlający wiersz danych na stronie profilu.

```
import package;
```
Include dependency graph for profile_page_data_row.dart:
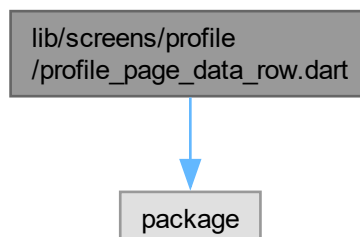
Classes

- class StatelessWidget

Variables

- library

5.10.1 Detailed Description

Widget wyświetlający wiersz danych na stronie profilu.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.10.2 Variable Documentation

5.10.2.1 library

```
library
```

5.11 lib/screens/settings/settings_page.dart File Reference

Ekran ustawień użytkownika.

```
import package;
```
Include dependency graph for settings_page.dart:
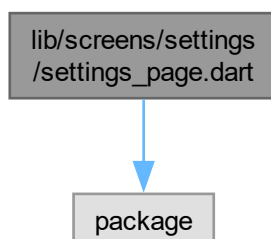
Classes

- class ConsumerWidget

Variables

- library
- final languages = ['Polish', 'English']

5.11.1 Detailed Description

Ekran ustawień użytkownika.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.11.2 Variable Documentation

5.11.2.1 languages

```
final languages = ['Polish', 'English']
```

5.11.2.2 library

```
library
```

5.12 lib/screens/subjects/subject.dart File Reference

Definicje klas reprezentujących przedmioty, oceny i egzaminy.

Classes

- class Subject
- class Exam

Functions

- Grade ({ required this.value, required this.type, required this.date, required this.description, })

    Konstruktor klasy Grade.

Variables

- library
- class Subject value
- final String type
- final DateTime date
- final String description

5.12.1 Detailed Description

Definicje klas reprezentujących przedmioty, oceny i egzaminy.

Version

    1.0

Date

    2025-01-11

Author

    Marcin Dudek

    Mateusz Basiaga

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5.12.2 Function Documentation

5.12.2.1 Grade()

```
Grade (
            { required this.value, required this.type, required this.date, required this.description,
} )
```

Konstruktor klasy Grade.

Parameters

value	Wartość oceny.
type	Typ oceny (np. egzamin, kolokwium).
date	Data uzyskania oceny.
description	Opis oceny.

5.12.3 Variable Documentation

5.12.3.1 date

```
final DateTime date
```

5.12.3.2 description

```
final String description
```

5.12.3.3 library

```
library
```

5.12.3.4 type

```
final String type
```

5.12.3.5 value

```
class Subject value
```

5.13 lib/screens/subjects/subject_page.dart File Reference

Ekran wyświetlający przedmioty i oceny studenta.

```
import package;
```
Include dependency graph for subject_page.dart:
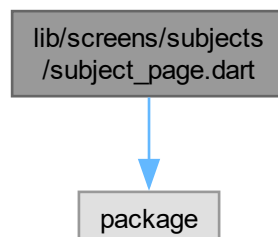
Classes

- class ConsumerWidget

Functions

- const SubjectCard ({super.key, required this.subject})

  Konstruktor widgetu SubjectCard.
- override Widget build (BuildContext context, WidgetRef ref)
- Color _getGradeColor (double grade)

  Pobiera kolor oceny na podstawie jej wartości.

Variables

- library
- class GradesPage extends ConsumerWidget subject

5.13.1   Detailed Description

Ekran wyświetlający przedmioty i oceny studenta.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.13.2   Function Documentation

5.13.2.1   _getGradeColor()

```
Color _getGradeColor (
            double grade)
```

Pobiera kolor oceny na podstawie jej wartości.

Parameters

grade	Wartość oceny.

Returns

Kolor odpowiadający ocenie.

5.13.2.2 build()

```
override Widget build (
            BuildContext context,
            WidgetRef ref)
```

5.13.2.3 SubjectCard()

```
const SubjectCard (
            {super.key, required this.subject} )
```

Konstruktor widgetu SubjectCard.

Parameters

subject	Obiekt przedmiotu zawierający dane do wyświetlenia.

5.13.3 Variable Documentation

5.13.3.1 library

```
library
```

5.13.3.2 subject

```
class GradesPage extends ConsumerWidget subject
```

5.14 lib/screens/tabs/tabs_screen.dart File Reference

Ekran z zakładkami nawigacyjnymi aplikacji.

```
import dart;
```
Include dependency graph for tabs_screen.dart:
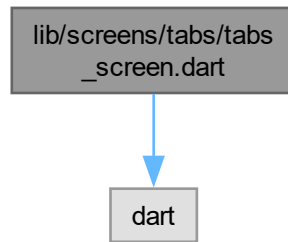
Classes

- class StatefulWidget

Functions

- override void initState ()
- override Widget build (BuildContext context)

Variables

- library
- class TabsScreen extends StatefulWidget _selectedIndex = 0
- late final List< Widget > _pages
- StreamSubscription< List< ConnectivityResult > > subscription
- ConnectivityResult connectivityResult
- SnackBar connectionLostSnackbar
- SnackBar connectionRecoveredSnackbar
- bool connectionLost = false

5.14.1 Detailed Description

Ekran z zakładkami nawigacyjnymi aplikacji.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.14.2 Function Documentation

5.14.2.1 build()

```
override Widget build (
            BuildContext context)
```

5.14.2.2 initState()

```
override void initState ()
```

5.14.3 Variable Documentation

5.14.3.1 _pages

```
late final List<Widget> _pages
```

Initial value:
```
= [
    HomePage(
      student: widget.student,
    ),
    GradesPage(),
    AnnouncementsPage(),
    SettingsPage(student: widget.student),
  ]
```

5.14.3.2 _selectedIndex

```
class TabsScreen extends StatefulWidget _selectedIndex = 0
```

5.14.3.3 connectionLost

```
bool connectionLost = false
```

5.14.3.4 connectionLostSnackbar

```
SnackBar connectionLostSnackbar
```

Initial value:
```
= SnackBar(
    content: Row(
      children: [
        Icon(
          Icons.cloud_off,
          color: Colors.white,
        ),
        SizedBox(width: 10),
        Text(
          'Brak połączenia z internetem',
          style: TextStyle(fontWeight: FontWeight.bold),
        )
      ],
    ),
    backgroundColor: Colors.red,
    dismissDirection: DismissDirection.none,
    duration: Duration(days: 1),
  )
```

5.14.3.5 connectionRecoveredSnackbar

```
SnackBar connectionRecoveredSnackbar
```

Initial value:
```
= SnackBar(
    content: Row(
      children: [
        Icon(
          Icons.cloud,
          color: Colors.white,
        ),
        SizedBox(width: 10),
        Text(
          'Odzyskano połączenie z internetem',
          style: TextStyle(fontWeight: FontWeight.bold),
        )
      ],
    ),
    backgroundColor: Colors.green,
    duration: Duration(seconds: 2),
  )
```

5.14.3.6 connectivityResult

```
ConnectivityResult connectivityResult
```

5.14.3.7 library

```
library
```

5.14.3.8 subscription

```
StreamSubscription<List<ConnectivityResult> > subscription
```

5.15 lib/screens/welcome/student_login.dart File Reference

Formularz logowania dla studentów.

```
import package;
```
Include dependency graph for student_login.dart:
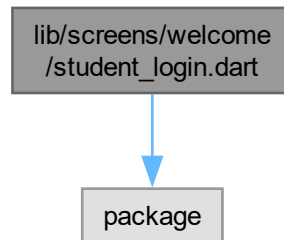
Classes

- class StatefulWidget

Functions

- void _handleLogin () async

  Obsługuje proces logowania studenta.

- override Widget build (BuildContext context)

Variables

- library
- class StudentLoginForm extends StatefulWidget _formKey = GlobalKey<FormState>()
- final TextEditingController _emailController = TextEditingController()
- final TextEditingController _passwordController = TextEditingController()
- bool _isLoading = false
- String _errorFeedback

5.15.1 Detailed Description

Formularz logowania dla studentów.

Version

  1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.15.2 Function Documentation

5.15.2.1 _handleLogin()

```
void _handleLogin ()
```

Obsługuje proces logowania studenta.

5.15.2.2 build()

```
override Widget build (
            BuildContext context)
```

5.15.3 Variable Documentation

5.15.3.1 _emailController

```
final TextEditingController _emailController = TextEditingController()
```

5.15.3.2 _errorFeedback

```
String _errorFeedback
```

5.15.3.3 _formKey

```
class StudentLoginForm extends StatefulWidget _formKey = GlobalKey<FormState>()
```

5.15.3.4 _isLoading

```
bool _isLoading = false
```

5.15.3.5 _passwordController

```
final TextEditingController _passwordController = TextEditingController()
```

5.15.3.6 library

```
library
```

5.16 lib/screens/welcome/welcome_page.dart File Reference

Ekran powitalny aplikacji z formularzem logowania.

```
import package;
```
Include dependency graph for welcome_page.dart:
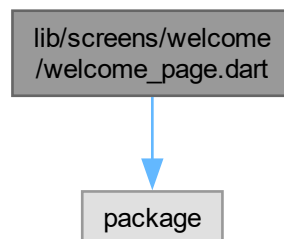
Classes

- class StatefulWidget

Functions

- class WelcomeScreen extends StatefulWidget build (BuildContext context)
- const WelcomeScreen ({super.key})
- override State< WelcomeScreen > createState ()

Variables

- library

5.16.1 Detailed Description

Ekran powitalny aplikacji z formularzem logowania.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.16.2 Function Documentation

5.16.2.1 build()

```
class WelcomeScreen extends StatefulWidget build (
            BuildContext context)
```

5.16.2.2 createState()

```
override State< WelcomeScreen > build::createState ()
```

5.16.2.3 WelcomeScreen()

```
const build::WelcomeScreen (
            {super.key} )
```

5.16.3 Variable Documentation

5.16.3.1 library

```
library
```

5.17 lib/utils/biometrics.dart File Reference

Obsługa uwierzytelniania biometrycznego.

```
import package;
```
Include dependency graph for biometrics.dart:
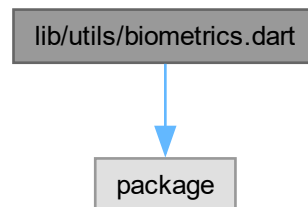
Functions

- Future< bool > authenticateWithBiometrics () async

  Uwierzytelnia użytkownika za pomocą biometrii.

Variables

- library

5.17.1 Detailed Description

Obsługa uwierzytelniania biometrycznego.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.17.2 Function Documentation

5.17.2.1 authenticateWithBiometrics()

```
Future< bool > authenticateWithBiometrics ()
```

Uwierzytelnia użytkownika za pomocą biometrii.

Returns

Zwraca true, jeśli uwierzytelnianie zakończyło się sukcesem, w przeciwnym razie false.

5.17.3 Variable Documentation

5.17.3.1 library

```
library
```

5.18 lib/utils/common.dart File Reference

Funkcje pomocnicze używane w aplikacji.

```
import package;
```
Include dependency graph for common.dart:
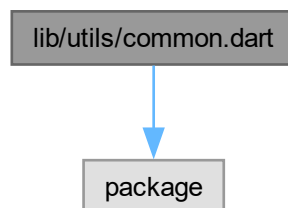
Functions

- String getLectureFormDisplayName (String lang, String name)
  - *Pobiera nazwę wykładu do wyświetlenia w zależności od języka.*
- String getCourseTypeDisplayName (String lang, String name)
- String getLevelOfStudyDisplayName (String lang, String name)
- String getObtainedTitleDisplayName (String lang, String name)
- String getFormattedDate (DateTime date)
- String getFormattedDateTime (DateTime date)
- Future< bool > hasNetworkAccess () async

Variables

- [library](#)

5.18.1 Detailed Description

Funkcje pomocnicze używane w aplikacji.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.18.2 Function Documentation

5.18.2.1 getCourseTypeDisplayName()

```
String getCourseTypeDisplayName (
            String lang,
            String name)
```

5.18.2.2 getFormattedDate()

```
String getFormattedDate (
            DateTime date)
```

5.18.2.3 getFormattedDateTime()

```
String getFormattedDateTime (
            DateTime date)
```

5.18.2.4 getLectureFormDisplayName()

```
String getLectureFormDisplayName (
            String lang,
            String name)
```

Pobiera nazwę wykładu do wyświetlenia w zależności od języka.

Parameters

lang	Kod języka (np. "pl" dla polskiego).
name	Nazwa wykładu.

Returns

Nazwa wykładu do wyświetlenia.

5.18.2.5 getLevelOfStudyDisplayName()

```
String getLevelOfStudyDisplayName (
            String lang,
            String name)
```

5.18.2.6 getObtainedTitleDisplayName()

```
String getObtainedTitleDisplayName (
            String lang,
            String name)
```

5.18.2.7 hasNetworkAccess()

```
Future< bool > hasNetworkAccess ()
```

5.18.3 Variable Documentation

5.18.3.1 library

```
library
```

5.19 lib/utils/firebase_options.dart File Reference

```
import package;
```
Include dependency graph for firebase_options.dart:
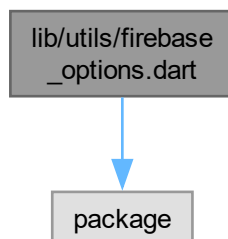
Classes

- class DefaultFirebaseOptions

5.20 lib/utils/image_picker_service.dart File Reference

Usługa do wybierania obrazów z galerii lub aparatu.

```
import dart;
```
Include dependency graph for image_picker_service.dart:
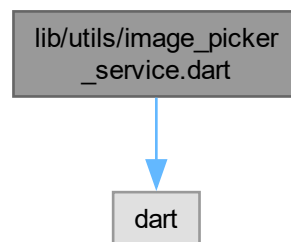
Classes

- class ImagePickerService

Variables

- library

5.20.1 Detailed Description

Usługa do wybierania obrazów z galerii lub aparatu.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

Copyright

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5.20.2 Variable Documentation

5.20.2.1 library

```
library
```

5.21 lib/utils/push_notifications.dart File Reference

Obsługa powiadomień push za pomocą Firebase.

```
import package;
```
Include dependency graph for push_notifications.dart:
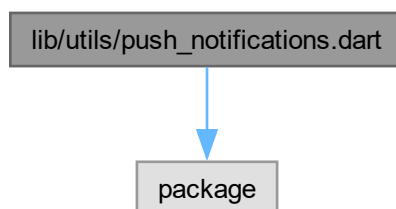
Classes

- class FirebaseApi

Variables

- library

5.21.1 Detailed Description

Obsługa powiadomień push za pomocą Firebase.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.21.2 Variable Documentation

5.21.2.1 library

```
library
```

5.22 lib/utils/theme.dart File Reference

Definicje motywów aplikacji oraz niestandardowych obramowań pól tekstowych.

```
import package;
```
Include dependency graph for theme.dart:
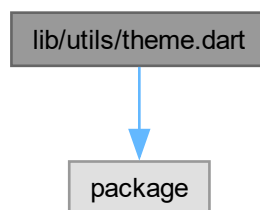
Classes

- class CustomInputBorders

Variables

- library
- final ThemeData lightTheme
- final ThemeData darkTheme

5.22.1 Detailed Description

Definicje motywów aplikacji oraz niestandardowych obramowań pól tekstowych.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.22.2 Variable Documentation

5.22.2.1 darkTheme

```
final ThemeData darkTheme
```

Initial value:
```
= ThemeData(
  brightness: Brightness.dark,
  scaffoldBackgroundColor: Colors.black12,
)
```

5.22.2.2 library

```
library
```

5.22.2.3 lightTheme

```
final ThemeData lightTheme
```

Initial value:
```
= ThemeData(
  brightness: Brightness.light,
  scaffoldBackgroundColor: Colors.white,
)
```

5.23 lib/widgets/message_handler.dart File Reference

```
import package;
```
Include dependency graph for message_handler.dart:
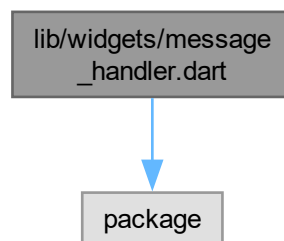
Classes

- class StatefulWidget

Functions

- void [_onData](RemoteMessage? message) async
- override void [initState]()
- override Widget [build](BuildContext context)

Variables

- class MessageHandler extends [StatefulWidget child]

5.23.1 Function Documentation

5.23.1.1 _onData()

```
void _onData (
            RemoteMessage?  message)
```

5.23.1.2 build()

```
override Widget build (
            BuildContext context)
```

5.23.1.3 initState()

```
override void initState ()
```

5.23.2 Variable Documentation

5.23.2.1 child

```
class MessageHandler extends StatefulWidget child
```

5.24 lib/widgets/shared/haptic_switch.dart File Reference

Przełącznik z haptycznym sprzężeniem zwrotnym.

```
import package;
```
Include dependency graph for haptic_switch.dart:
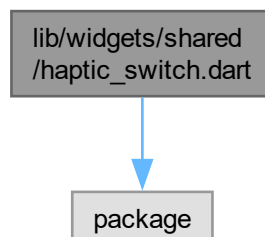
Classes

- class StatelessWidget

Variables

- library

5.24.1 Detailed Description

Przełącznik z haptycznym sprzężeniem zwrotnym.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.24.2 Variable Documentation

5.24.2.1 library

```
library
```

5.25 lib/widgets/shared/password_input.dart File Reference

Widget pola tekstowego do wprowadzania hasła z możliwością pokazania/ukrycia hasła.

```
import package;
```
Include dependency graph for password_input.dart:
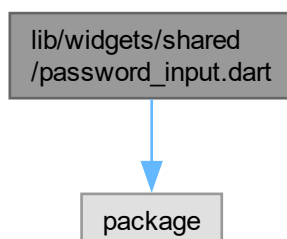
Classes

- class StatefulWidget

Functions

- override Widget build (BuildContext context)

Variables

- library
- class PasswordInput extends StatefulWidget _isPasswordVisible = false

5.25.1 Detailed Description

Widget pola tekstowego do wprowadzania hasła z możliwością pokazania/ukrycia hasła.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek
Mateusz Basiaga

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5.25.2 Function Documentation

5.25.2.1 build()

```
override Widget build (
            BuildContext context)
```

5.25.3 Variable Documentation

5.25.3.1 _isPasswordVisible

```
class PasswordInput extends StatefulWidget _isPasswordVisible = false
```

5.25.3.2 library

```
library
```

5.26 lib/widgets/shared/styled_button.dart File Reference

Definicje stylizowanych przycisków używanych w aplikacji.

```
import package;
```
Include dependency graph for styled_button.dart:
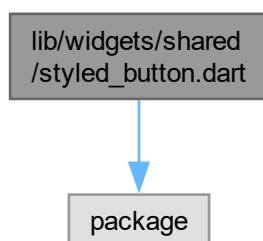
Classes

- class StatelessWidget

Functions

- const StyledButtonText (this.text, {super.key})

  Konstruktor widgetu StyledButtonText.
- override Widget build (BuildContext context)

Variables

- library
- class StyledButton extends StatelessWidget text

5.26.1   Detailed Description

Definicje stylizowanych przycisków używanych w aplikacji.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.26.2   Function Documentation

5.26.2.1   build()

```
override Widget build (
          BuildContext context)
```

5.26.2.2   StyledButtonText()

```
const StyledButtonText (
          this. text,
          {super.key} )
```

Konstruktor widgetu StyledButtonText.

Parameters

text	Tekst wyświetlany wewnątrz przycisku.

5.26.3   Variable Documentation

5.26.3.1   library

```
library
```

5.26.3.2 text

```
class SettingsTextInside extends StatelessWidget text
```

5.27 lib/widgets/shared/styled_form_field.dart File Reference

Stylizowane pole formularza używane w aplikacji.

```
import package;
```
Include dependency graph for styled_form_field.dart:
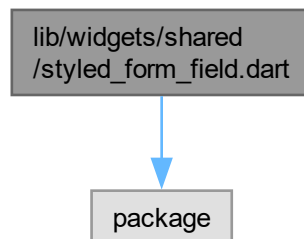
Classes

- class StatelessWidget

Variables

- library

5.27.1 Detailed Description

Stylizowane pole formularza używane w aplikacji.

Version

1.0

Date

2025-01-11

Author

Marcin Dudek

Mateusz Basiaga

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5.27.2 Variable Documentation

5.27.2.1 library

```
library
```

5.28 lib/widgets/shared/styled_text.dart File Reference

Stylizowane teksty używane w aplikacji.

```
import package;
```
Include dependency graph for styled_text.dart:
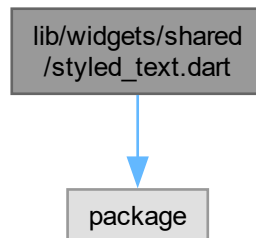
Classes

- class StatelessWidget

Functions

- const StyledHeading (this.text, {super.key})

  Konstruktor widgetu StyledHeading.
- override Widget build (BuildContext context)
- const StyledErrorText (this.text, {super.key})

  Konstruktor widgetu StyledErrorText.
- const SettingsText (this.text, {super.key})

  Konstruktor widgetu SettingsText.
- const ProfileTextLeft (this.text, {super.key})

  Konstruktor widgetu ProfileTextLeft.

Variables

- library
- class StyledBodyText extends StatelessWidget text

5.28.1 Detailed Description

Stylizowane teksty używane w aplikacji.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.28.2 Function Documentation

5.28.2.1 build()

```
override Widget build (
            BuildContext context)
```

5.28.2.2 ProfileTextLeft()

```
const ProfileTextLeft (
            this. text,
            {super.key} )
```

Konstruktor widgetu ProfileTextLeft.

Parameters

text	Tekst do wyświetlenia.

5.28.2.3 SettingsText()

```
const SettingsText (
            this. text,
            {super.key} )
```

Konstruktor widgetu SettingsText.

Parameters

text	Tekst do wyświetlenia.

5.28.2.4 StyledErrorText()

```
const StyledErrorText (
            this.  text,
            {super.key} )
```

Konstruktor widgetu StyledErrorText.

Parameters

text	Tekst do wyświetlenia.

5.28.2.5 StyledHeading()

```
const StyledHeading (
            this.  text,
            {super.key} )
```

Konstruktor widgetu StyledHeading.

Parameters

text	Tekst do wyświetlenia.

5.28.3 Variable Documentation

5.28.3.1 library

```
library
```

5.28.3.2 text

```
class SettingsTextInside extends StatelessWidget text
```

5.29 lib/widgets/shared/styled_widgets.dart File Reference

Stylizowane widgety używane w aplikacji.

```
import package;
```
Include dependency graph for styled_widgets.dart:
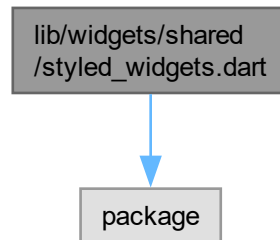
Classes

- class StatelessWidget

Functions

- final Function (bool value) onTap
- const SettingSwitch ({super.key, required this.title, required this.value, required this.bgColor, required this.iconColor, required this.icon, required this.onTap})

    Konstruktor widgetu SettingSwitch.
- override Widget build (BuildContext context)

Variables

- library
- class SettingItem extends StatelessWidget title
- final bool value
- final Color bgColor
- final Color iconColor
- final IconData icon

5.29.1 Detailed Description

Stylizowane widgety używane w aplikacji.

Version

> 1.0

Date

> 2025-01-11

Author

> Marcin Dudek
>
> Mateusz Basiaga

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5.29.2 Function Documentation

5.29.2.1 build()

```
override Widget build (
            BuildContext context)
```

5.29.2.2 Function()

```
final Function (
            bool value)
```

5.29.2.3 SettingSwitch()

```
const SettingSwitch (
            {super.key, required this.title, required this.value, required this.bgColor,
required this.iconColor, required this.icon, required this.onTap} )
```

Konstruktor widgetu SettingSwitch.

Parameters

title	Tytuł ustawienia.
value	Wartość ustawienia (włączone/wyłączone).
bgColor	Kolor tła ikony.
iconColor	Kolor ikony.
icon	Ikona ustawienia.
onTap	Funkcja wywoływana po zmianie wartości ustawienia.

5.29.3 Variable Documentation

5.29.3.1 bgColor

final Color bgColor

5.29.3.2 icon

final IconData icon

5.29.3.3 iconColor

final Color iconColor

5.29.3.4 library

library

5.29.3.5 title

class SettingItem extends StatelessWidget title

5.29.3.6 value

final bool value

5.30 lib/wirtualny-sdk/exceptions/wirtualny_dio_exception.dart File Reference

import package;
Include dependency graph for wirtualny_dio_exception.dart:
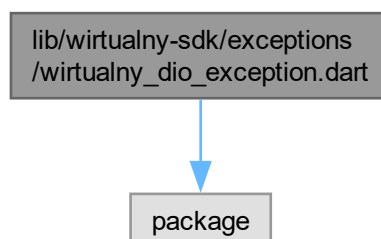
Classes

- class Exception

5.31 lib/wirtualny-sdk/exceptions/wirtualny_exception.dart File Reference

```
import package;
```
Include dependency graph for wirtualny_exception.dart:
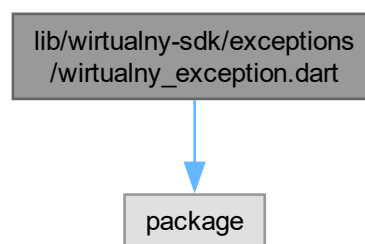
Classes

- class Exception

5.32 lib/wirtualny-sdk/models/announcemnet/announcement.dart File Reference

```
import package;
```
Include dependency graph for announcement.dart:
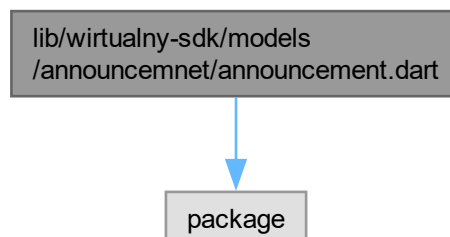
Classes

- class _$Announcement

Variables

- part announcement freezed dart

5.32.1 Variable Documentation

5.32.1.1 dart

```
part student g dart
```

5.33 lib/wirtualny-sdk/models/announcemnet/announcement.freezed.↩ dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of announcement dart

5.33.1 Function Documentation

5.33.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.33.2 Variable Documentation

5.33.2.1 dart

```
part of announcement dart
```

5.34 lib/wirtualny-sdk/models/classroom/classroom.dart File Reference

```
import package;
```
Include dependency graph for classroom.dart:
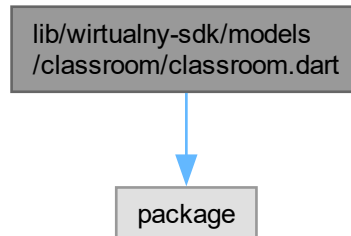
Classes

- class _$Classroom

Variables

- part classroom freezed dart

5.34.1 Variable Documentation

5.34.1.1 dart

```
part classroom g dart
```

5.35 lib/wirtualny-sdk/models/classroom/classroom.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of classroom dart

5.35.1 Function Documentation

5.35.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.35.2 Variable Documentation

5.35.2.1 dart

```
part of classroom dart
```

5.36 lib/wirtualny-sdk/models/contact/contact.dart File Reference

```
import package;
```
Include dependency graph for contact.dart:
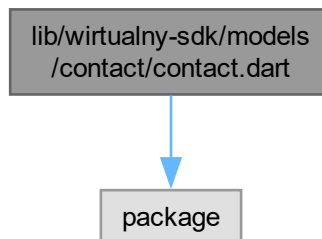
Classes

- class _$PhoneNumber

Functions

- freezed class PhoneNumber with _$PhoneNumber Contact ({ @JsonKey(name:"phoneNumbers") required List< PhoneNumber > phoneNumbers, @JsonKey(name:"email") required String email, })
- const factory PhoneNumber ({ @JsonKey(name:"id") required String id, @JsonKey(name:"phoneNumber") required String phoneNumber, @JsonKey(name:"info") String? info, })
- factory PhoneNumber fromJson (Map< String, dynamic > json)

Variables

- part contact freezed dart

5.36.1 Function Documentation

5.36.1.1 Contact()

```
freezed class PhoneNumber with _$PhoneNumber Contact (
            { @JsonKey(name:"phoneNumbers") required List< PhoneNumber > phoneNumbers, @Json↩
Key(name:"email") required String email, } )
```

5.36.1.2 fromJson()

```
factory WeekFullTimeSchedule fromJson (
            Map< String, dynamic > json)
```

Initial value:
```
=>
      _$ContactFromJson(json)
```

5.36.1.3 PhoneNumber()

```
const factory Contact::PhoneNumber (
            { @JsonKey(name:"id") required String id, @JsonKey(name:"phoneNumber") required
String phoneNumber, @JsonKey(name:"info") String?  info, } )
```

5.36.2 Variable Documentation

5.36.2.1 dart

```
part contact g dart
```

5.37 lib/wirtualny-sdk/models/contact/contact.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of contact dart

5.37.1 Function Documentation

5.37.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.37.2 Variable Documentation

5.37.2.1 dart

```
part of contact dart
```

5.38 lib/wirtualny-sdk/models/course_of_study/course_of_study.dart File Reference

```
import package;
```
Include dependency graph for course_of_study.dart:
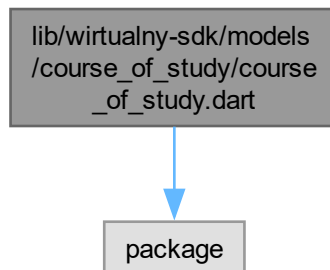
Classes

- class _$CourseOfStudy

Variables

- part course_of_study freezed dart

5.38.1 Variable Documentation

5.38.1.1 dart

```
part course_of_study g dart
```

5.39 lib/wirtualny-sdk/models/course_of_study/course_of_↩ study.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of course_of_study dart

5.39.1 Function Documentation

5.39.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.39.2 Variable Documentation

5.39.2.1 dart

```
part of course_of_study dart
```

5.40 lib/wirtualny-sdk/models/faculty/faculty.dart File Reference

```
import package;
```
Include dependency graph for faculty.dart:
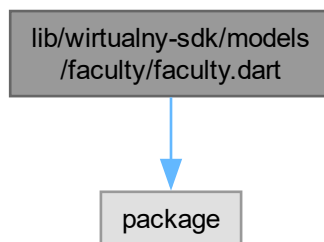
Classes

- class _$Faculty

Variables

- part faculty freezed dart

5.40.1 Variable Documentation

5.40.1.1 dart

```
part faculty g dart
```

5.41 lib/wirtualny-sdk/models/faculty/faculty.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of faculty dart

5.41.1 Function Documentation

5.41.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.41.2 Variable Documentation

5.41.2.1 dart

```
part of faculty dart
```

5.42 lib/wirtualny-sdk/models/faculty_address/faculty_address.dart File Reference

```
import package;
```
Include dependency graph for faculty_address.dart:
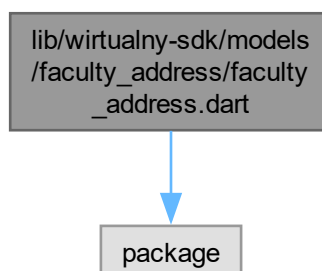
Classes

- class _$FacultyAddress

Variables

- part faculty_address freezed dart

5.42.1 Variable Documentation

5.42.1.1 dart

```
part faculty_address g dart
```

5.43 lib/wirtualny-sdk/models/faculty_address/faculty_↩ address.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of faculty_address dart

5.43.1 Function Documentation

5.43.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.43.2 Variable Documentation

5.43.2.1 dart

```
part of faculty_address dart
```

5.44 lib/wirtualny-sdk/models/lecture/lecture.dart File Reference

```
import package;
```
Include dependency graph for lecture.dart:
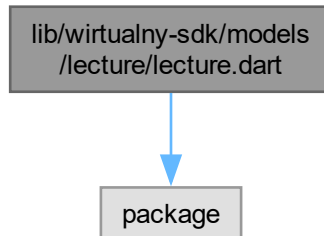
Classes

- class _$Lecture

Variables

- part lecture freezed dart

5.44.1 Variable Documentation

5.44.1.1 dart

```
part lecture g dart
```

5.45 lib/wirtualny-sdk/models/lecture/lecture.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of lecture dart

5.45.1 Function Documentation

5.45.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.45.2 Variable Documentation

#### 5.45.2.1 dart

```
part of lecture dart
```

5.46 lib/wirtualny-sdk/models/lecturer/lecturer.dart File Reference

```
import package;
```
Include dependency graph for lecturer.dart:
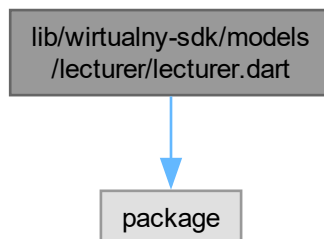
Classes

- class _$Lecturer

Variables

- part lecturer freezed dart

5.46.1 Variable Documentation

5.46.1.1 dart

```
part lecturer g dart
```

5.47 lib/wirtualny-sdk/models/lecturer/lecturer.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of lecturer dart

5.47.1 Function Documentation
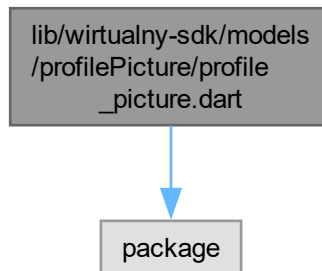
5.47.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.47.2 Variable Documentation

5.47.2.1 dart

```
part of lecturer dart
```

5.48 lib/wirtualny-sdk/models/lecturer_address/lecturer_address.dart File Reference

```
import package;
```
Include dependency graph for lecturer_address.dart:
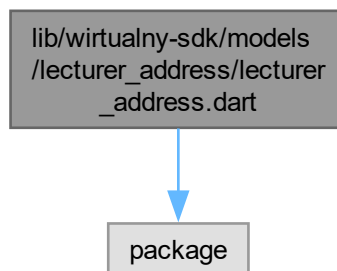
Classes

- class _$LecturerAddress

Variables

- part lecturer_address freezed dart

5.48.1 Variable Documentation

5.48.1.1 dart

```
part lecturer_address g dart
```

5.49 lib/wirtualny-sdk/models/lecturer_address/lecturer_↩ address.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of lecturer_address dart

5.49.1 Function Documentation

5.49.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.49.2 Variable Documentation

5.49.2.1 dart

```
part of lecturer_address dart
```

5.50 lib/wirtualny-sdk/models/profilePicture/profile_picture.dart File Reference

```
import package;
```
Include dependency graph for profile_picture.dart:

Classes

- class _$ProfilePicture

Variables

- part profile_picture freezed dart

5.50.1 Variable Documentation

5.50.1.1 dart

```
part profile_picture g dart
```

5.51 lib/wirtualny-sdk/models/profilePicture/profile_picture.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of profile_picture dart

5.51.1 Function Documentation

5.51.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.51.2 Variable Documentation

5.51.2.1 dart

```
part of profile_picture dart
```

5.52 lib/wirtualny-sdk/models/request-data/student_login_with_↩ username_and_password_data.dart File Reference

```
import package;
```
Include dependency graph for student_login_with_username_and_password_data.dart:
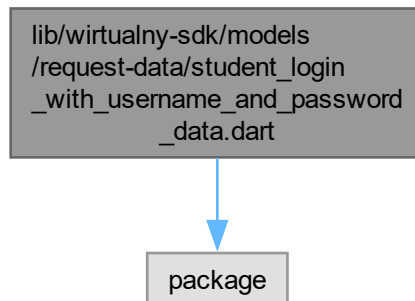
Classes

- class _$StudentLoginWithUsernameAndPasswordData

Variables

- part student_login_with_username_and_password_data freezed dart

5.52.1 Variable Documentation

5.52.1.1 dart

```
part student_login_with_username_and_password_data g dart
```

5.53 lib/wirtualny-sdk/models/request-data/student_login_with_↩ username_and_password_data.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of student_login_with_username_and_password_data dart

5.53.1 Function Documentation

5.53.1.1 _$identity< T >()

```
T _$identity< T > (
              T value)
```

5.53.2 Variable Documentation

5.53.2.1 dart

```
part of student_login_with_username_and_password_data dart
```

5.54 lib/wirtualny-sdk/models/responses/announcements_↩ response/announcements_response.dart File Reference

```
import package;
```
Include dependency graph for announcements_response.dart:
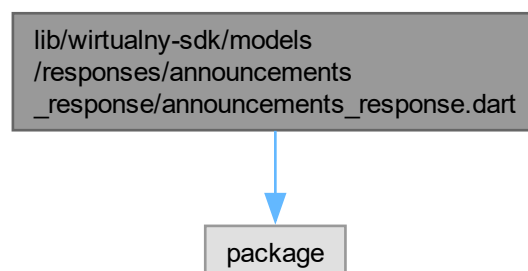
Classes

- class _$AnnouncementsResponse

Variables

- part announcements_response freezed dart

5.54.1 Variable Documentation

5.54.1.1 dart

```
part announcements_response g dart
```

5.55 lib/wirtualny-sdk/models/responses/announcements_↩ response/announcements_response.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of announcements_response dart

5.55.1 Function Documentation

5.55.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```
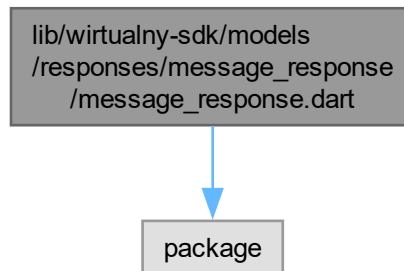
5.55.2 Variable Documentation

5.55.2.1 dart

```
part of announcements_response dart
```

5.56 lib/wirtualny-sdk/models/responses/errors_response/errors_↩ response.dart File Reference

```
import package;
```
Include dependency graph for errors_response.dart:
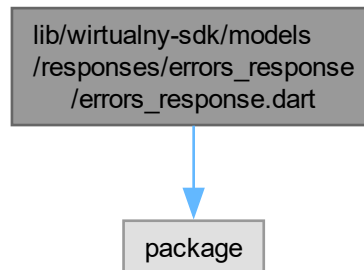
Classes

- class _$ErrorsResponse

Functions

- freezed class ErrorsResponse with _$ErrorsResponse Error ({ @JsonKey(name:"message") required String message, })
- const factory ErrorsResponse ({ @JsonKey(name:"errors") required List< Error > errors, })
- factory ErrorsResponse fromJson (Map< String, dynamic > json)

Variables

- part errors_response freezed dart

5.56.1 Function Documentation

5.56.1.1 Error()

```
freezed class ErrorsResponse with _$ErrorsResponse Error (
            { @JsonKey(name:"message") required String message, } )
```

5.56.1.2 ErrorsResponse()

```
const factory Error::ErrorsResponse (
            { @JsonKey(name:"errors") required List< Error > errors, } )
```

5.56.1.3 fromJson()

```
factory ErrorsResponse Error::fromJson (
            Map< String, dynamic > json)
```

5.56.2 Variable Documentation

5.56.2.1 dart

```
part errors_response g dart
```

5.57 lib/wirtualny-sdk/models/responses/errors_response/errors_↩ response.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of errors_response dart

5.57.1 Function Documentation

5.57.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.57.2 Variable Documentation

5.57.2.1 dart

```
part of errors_response dart
```

5.58   lib/wirtualny-sdk/models/responses/message_response/message↩ _response.dart File Reference

```
import package;
```
Include dependency graph for message_response.dart:

Classes

- class _$MessageResponse

Variables

- part message_response freezed dart

5.58.1   Variable Documentation

5.58.1.1   dart

```
part message_response g dart
```

5.59   lib/wirtualny-sdk/models/responses/message_response/message↩ _response.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of message_response dart

5.59.1 Function Documentation

5.59.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```
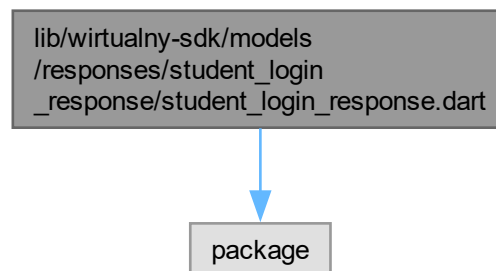
5.59.2 Variable Documentation

5.59.2.1 dart

```
part of message_response dart
```

5.60 lib/wirtualny-sdk/models/responses/student_login_↩ response/student_login_response.dart File Reference

```
import package;
```
Include dependency graph for student_login_response.dart:

Classes

- class _$StudentLoginResponse

Variables

- part student_login_response freezed dart

5.60.1 Variable Documentation

5.60.1.1 dart

```
part student_login_response g dart
```

5.61 lib/wirtualny-sdk/models/responses/student_login_↵ response/student_login_response.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of student_login_response dart

5.61.1 Function Documentation

5.61.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```
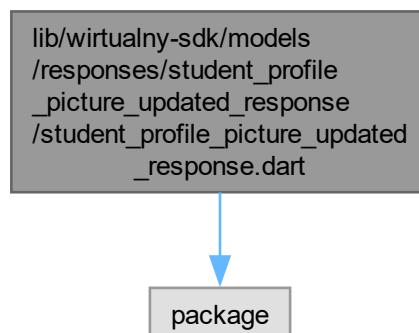
5.61.2 Variable Documentation

5.61.2.1 dart

```
part of student_login_response dart
```

5.62 lib/wirtualny-sdk/models/responses/student_profile_picture_↵ updated_response/student_profile_picture_updated_response.dart File Reference

```
import package;
```
Include dependency graph for student_profile_picture_updated_response.dart:

Classes

- class _$StudentProfilePictureUpdatedResponse

Variables

- part student_profile_picture_updated_response freezed dart

5.62.1 Variable Documentation

5.62.1.1 dart

```
part student_profile_picture_updated_response g dart
```

5.63 lib/wirtualny-sdk/models/responses/student_profile_picture_←↩ updated_response/student_profile_picture_updated_←↩ response.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of student_profile_picture_updated_response dart

5.63.1 Function Documentation

5.63.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

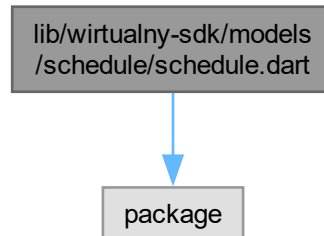## 5.63.2 Variable Documentation

5.63.2.1 dart

```
part of student_profile_picture_updated_response dart
```

5.64 lib/wirtualny-sdk/models/schedule/schedule.dart File Reference

```
import package;
```
Include dependency graph for schedule.dart:

Classes

- class _$WeekPartTimeSchedule
- class _$Schedule

Functions

- freezed class WeekPartTimeSchedule with _$WeekPartTimeSchedule WeekFullTimeSchedule ({ @Json←
  Key(name:"monday") required List< Lecture > monday, @JsonKey(name:"tuesday") required List< Lec-
  ture > tuesday, @JsonKey(name:"wednesday") required List< Lecture > wednesday, @JsonKey(name←
  :"thursday") required List< Lecture > thursday, @JsonKey(name:"friday") required List< Lecture > friday,
  })
- const factory WeekPartTimeSchedule ({ @JsonKey(name:"saturday") required List< Lecture > saturday,
  @JsonKey(name:"sunday") required List< Lecture > sunday, })
- factory WeekPartTimeSchedule fromJson (Map< String, dynamic > json)

Variables

- part schedule freezed dart

5.64.1 Function Documentation

5.64.1.1 fromJson()

```
factory WeekPartTimeSchedule WeekFullTimeSchedule::fromJson (
            Map< String, dynamic > json)
```

5.64.1.2 WeekFullTimeSchedule()

```
freezed class WeekPartTimeSchedule with _$WeekPartTimeSchedule WeekFullTimeSchedule (
            { @JsonKey(name:"monday") required List< Lecture > monday, @JsonKey(name:"tuesday")
required List< Lecture > tuesday, @JsonKey(name:"wednesday") required List< Lecture > wednesday,
@JsonKey(name:"thursday") required List< Lecture > thursday, @JsonKey(name:"friday") required
List< Lecture > friday, } )
```

5.64.1.3 WeekPartTimeSchedule()

```
const factory WeekFullTimeSchedule::WeekPartTimeSchedule (
            { @JsonKey(name:"saturday") required List< Lecture > saturday, @JsonKey(name←
:"sunday") required List< Lecture > sunday, } )
```

5.64.2 Variable Documentation

5.64.2.1 dart

```
part schedule g dart
```

5.65 lib/wirtualny-sdk/models/schedule/schedule.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of schedule dart

5.65.1 Function Documentation

5.65.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```
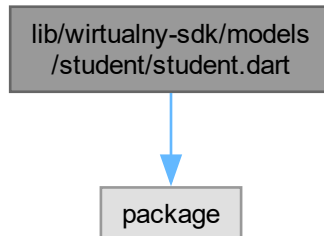
5.65.2 Variable Documentation

5.65.2.1 dart

```
part of schedule dart
```

5.66 lib/wirtualny-sdk/models/student/student.dart File Reference

```
import package;
```
Include dependency graph for student.dart:

Classes

- class _$Student

Variables

- part student freezed dart

5.66.1 Variable Documentation

5.66.1.1 dart

```
part student g dart
```

5.67 lib/wirtualny-sdk/models/student/student.freezed.dart File Reference

Functions

- T _$identity< T > (T value)

Variables

- part of student dart

5.67.1 Function Documentation

5.67.1.1 _$identity< T >()

```
T _$identity< T > (
            T value)
```

5.67.2 Variable Documentation

5.67.2.1 dart

```
part of student dart
```

5.68 lib/wirtualny-sdk/modules/auth/wirtualny_auth.dart File Reference

```
import dart;
```
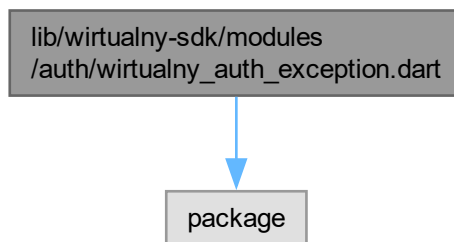Include dependency graph for wirtualny_auth.dart:
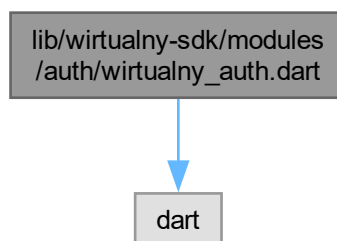
Classes

- class WirtualnyAuth

5.69 lib/wirtualny-sdk/modules/auth/wirtualny_auth_exception.dart File Reference

```
import package;
```
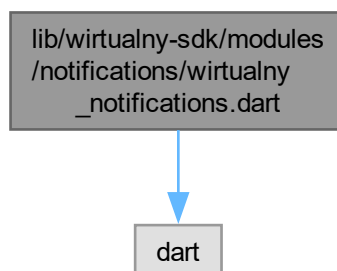Include dependency graph for wirtualny_auth_exception.dart:

Classes

- class Exception

5.70 lib/wirtualny-sdk/modules/notifications/wirtualny_notifications.dart File Reference

```
import dart;
```
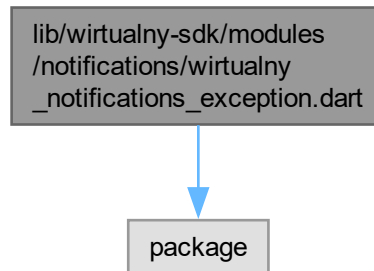Include dependency graph for wirtualny_notifications.dart:

Classes

- class WirtualnyNotifications

5.71 lib/wirtualny-sdk/modules/notifications/wirtualny_notifications_↩ exception.dart File Reference

```
import package;
```
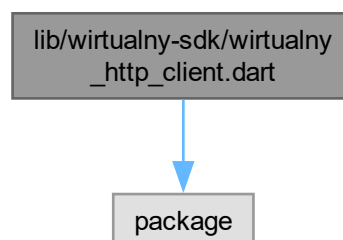Include dependency graph for wirtualny_notifications_exception.dart:

```
lib/wirtualny-sdk/modules
/notifications/wirtualny
_notifications_exception.dart
```

```
package
```

Classes

- class Exception

5.72 lib/wirtualny-sdk/wirtualny_http_client.dart File Reference

```
import package;
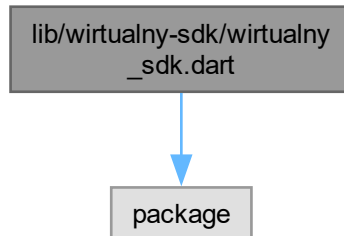```
Include dependency graph for wirtualny_http_client.dart:

```
lib/wirtualny-sdk/wirtualny
_http_client.dart
```

```
package
```

Classes

- class WirtualnyHttpClient

5.73 lib/wirtualny-sdk/wirtualny_sdk.dart File Reference

```
import package;
```
Include dependency graph for wirtualny_sdk.dart:

Classes

- class WirtualnySdk

5.74 lib/wirtualny-sdk/wirtualny_sdk_config.dart File Reference

Classes

- class WirtualnySdkConfig

5.75 README.md File Reference